BFMini Series

User Manual

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【Revision History】

1、Add external reader status(IN/OUT) in Terminal Status.

----------**page『 23~24 』《2012-01-03》**

2、Add AGENT MODE and define function of external reader in Terminal Configuration

----------**page『 26~28 』《2012-01-03》**

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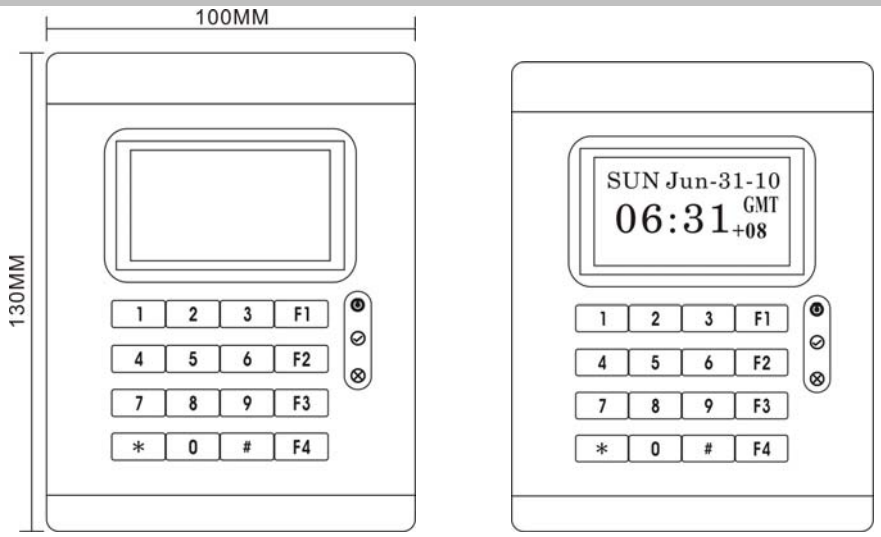
—BFMINI—

Ⅰ、Hardware Introduction

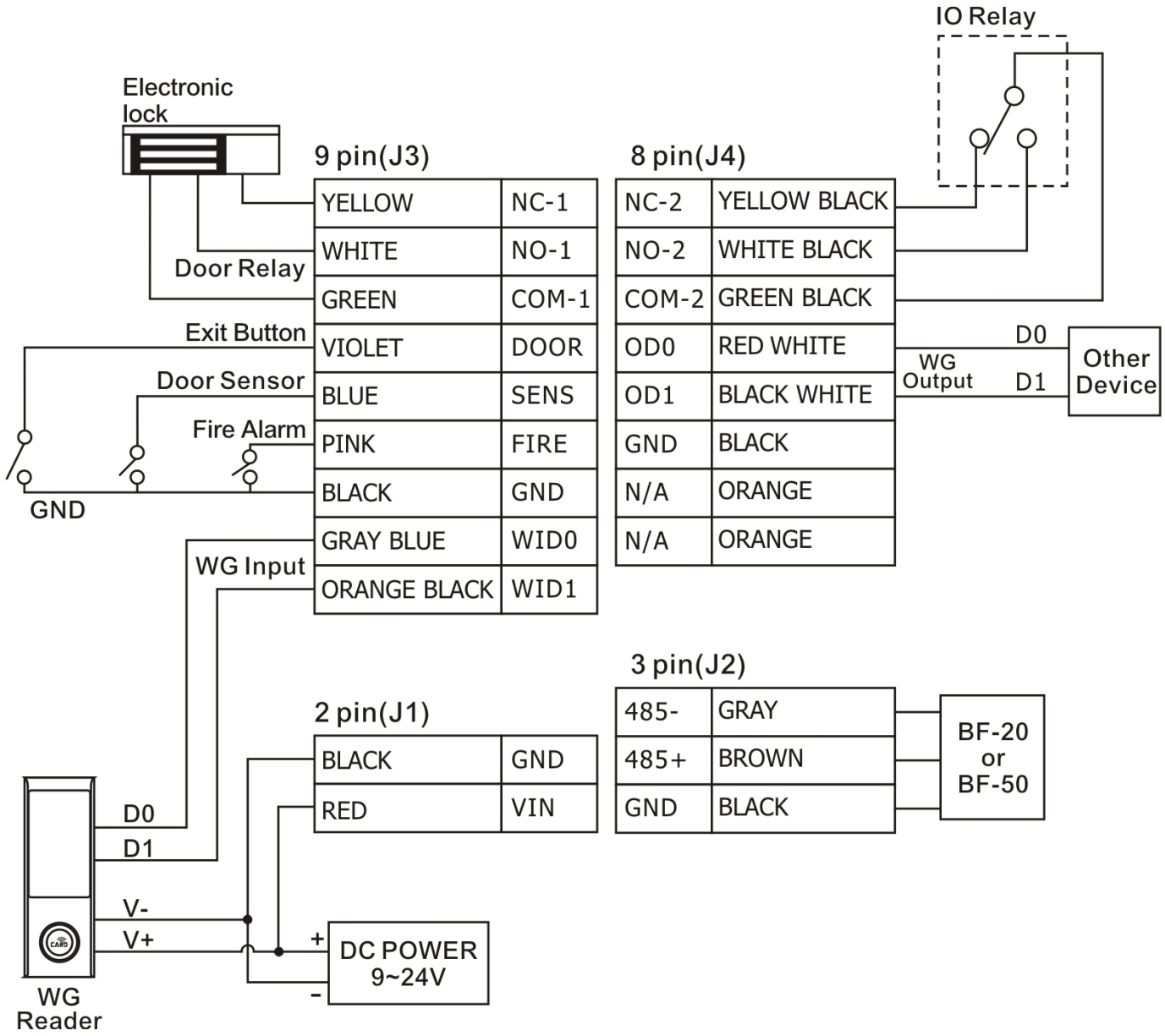
◆ Appearance



◆ Specification

Item	Specification
Verification Option	card、pin、card+pin
Capacity	5,000 users (option extendable to 20,000)
Log Data	32,768 entries
System Parameters Modification Record	2,000 entries
Relay	1
Communication Interface	RS-485 x 1→Relay Box(BF-20/ BF-50) / TCP/ IP→PC
Wiegand Output	26/ 34 bit
Connection Speed	Ethernet 10/ 100M, Auto Crossing.
RFID Sensor Frequency	125 KHz(EM/TM) / 13.56MHz(Mifare)
RFID Sensor Distance	7~12cm(EM/TM) / 3~5cm(Mifare)
Language	Chinese、Simplified Chinese/ English
Keypad	10 numeric keys (0~9)+6 function keys (F1~F4,#,*)+1 door bell button
Display	128 x 64 Dots LCD
Operation Temperature	0˚C~ 65˚C
Operation Humidity	5 ~ 95%RH
Power	DC 9~24V, 1A
Weight	400 g.
Dimension(mm)	130 x 100 x 52 mm

◆ Wiring instruction



9 pin(J3)

NC-1	YELLOW	Door Relay
NO-1	WHITE	
COM-1	GREEN	
DOOR	VIOLET	Exit Button
SENS	BLUE	Door Sensor
FIRE	PINK	Fire Alarm
GND	BLACK	GND
WID0	GRAY BLUE	WG Input
WID1	ORANGE BLACK	

8 pin(J4)

NC-2	YELLOW BLACK	IO Relay
NO-2	WHITE BLACK	
COM-2	GREEN BLACK	
OD0	RED WHITE	WG Output
OD1	BLACK WHITE	
GND	BLACK	GND
N/A	ORANGE	N/A
N/A	ORANGE	

3 pin(J2)

485-	GRAY	RS-485 Contacts for BF-20 & BF-50
485+	BROWN	
GND	BLACK	

2 pin(J1)

GND	BLACK	Power Contacts DC 9~24V(1A)
VIN	RED	

Ⅱ、Product Overview

BFMINI is RFID identification based controller for proximity card. It is always used to mange entrance security, work place time attendance, overtime working verification and any other situation/event for the authorized personnel's presence. It can either work standalone without connecting to the PC or be integrated with PC thru RJ-45 port. Also , BFMINI can be linked with BF-670/870 as a reader in multi door control solution.

User can control the branch company through Chinese web built in inside. User can search IN/OUT log data through IE.

◆ Features

- BFMINI system allows for entrance security, work place time and attendance, over-time work. Also, situations that require the presence of the authorized persons at a secured point can take advantage of our BFMINI system
- 4 programmable function keys can be used to manage time and attendance. One BFMINI can be adapted to manage many different kinds of work involving site security control and time and attendance.
- BFMINI entrance control system may be used as stand-alone units to control entrance traffic. Also, direct connection to a PC is possible via TCP/IP protocol or working as reader of BF-670/870 by communication with BF-670/870 via TCP/IP.
- With build-in http server administrator can download data、modify setting、manager users and maintain system via Internet Explorer.
- Real-Time and On-Line door status monitoring thru web browser.
- Double badge and dual-doors interlocking are available.
- Support Card + Password / Lock Release / Exit button Time Zone
- Anti pass back (no tolerance / period timer) can support unlimited levels without online software support when offline.
- Internet time server for automatic time check
- Door Bell support.

Ⅲ、WEB Login

BFMINI contains a HTTP server, thus BFMINI can link and connect through Web browser, and then conduct setting.

◆ Preparation

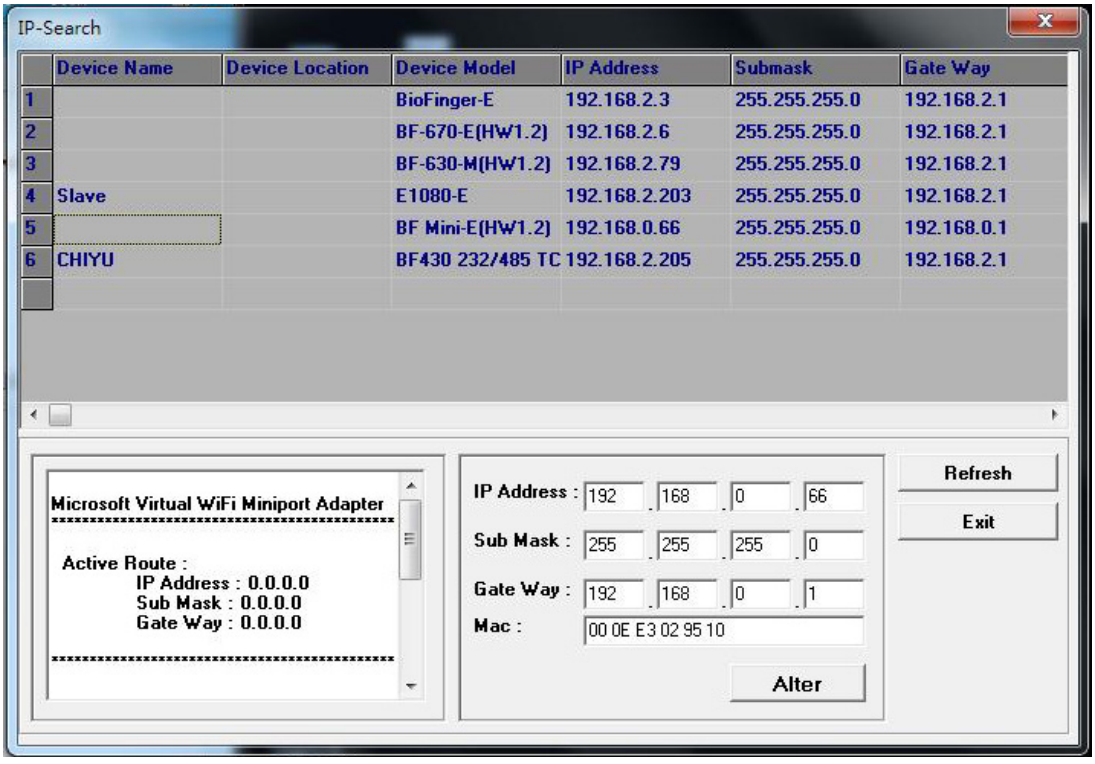
Before conducting BFMINI setting, please assure the following:

- PC has connected to BFMINI, and PC and BFMINI are situated in the same WAN with power supplied.
- If the default IP address (192.168.0.66) is occupied by else device, then it is a must to shut down that device first till the setting is over, and then allocate new IP address to BFMINI.

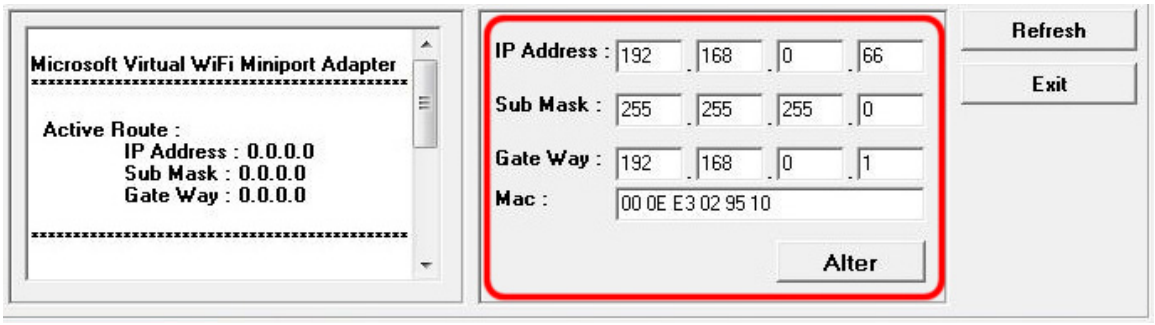
◆ How to search BFMINI

1、After installation of BFMINI and network cable is completed, use BFMINI's **IP Search** to search all BFMINI in a certain LAN, or download IP Search tool from CHIYU homepage. Desktop icon as below:

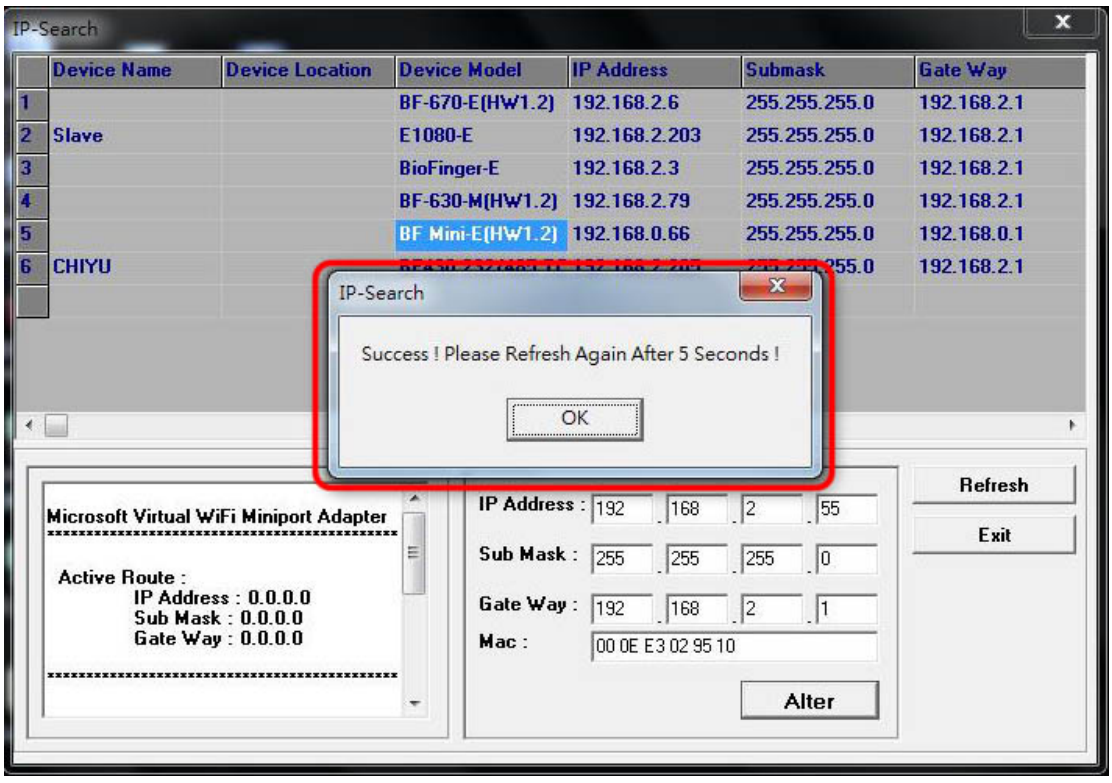
2、Click IP Search icon, will display a window, as shown:



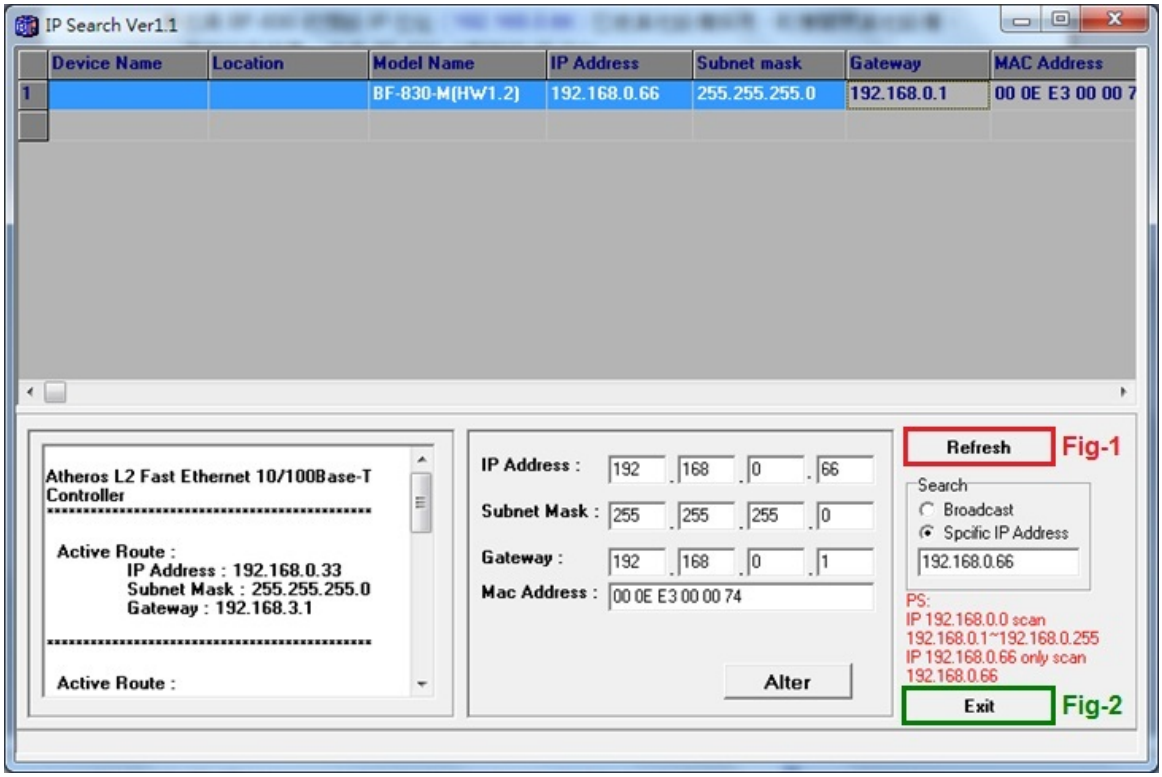
3、While the IP Search window shows up, it will display all BFMINI in LAN, and show its Device name、Location、Model Name、IP Address、Subnet Mark、Gateway、Mac Address. Select particular BFMINI, then its related information will appear below the window, as shown:


Microsoft Virtual WiFi Miniport Adapter
Active Route :
IP Address : 0.0.0.0
Sub Mask : 0.0.0.0
Gate Way : 0.0.0.0
IP Address : 192 168 0 66
Sub Mask : 255 255 255 0
Gate Way : 192 168 0 1
Mac : 00 0E E3 02 95 10
Alter
Refresh
Exit

4、The showed information of BFMINI can be revised directly in the window, the part can be modified: IP Address, Subnet Mask, Gateway. After modification completed (MAC Address can not modify),click **Alter** then it will display the modified information, as shown:



5、After modification, if want to confirm whether the modification is correct or not, click Refresh button to refresh and check information (Fig-1), click Exit button to leave.(Fig-2)



6、After modification, the IP address of BFMINI has matched with its WAN, if want to get access into the Web of BFMINI, has two methods:

(1)Open IP Search, select and double click particular BFMINI, then to enter its webpage.

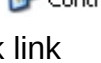
(2)While the internet explorer opened, input BFMINI IP address to enter its webpage

Remark：

WINDOWS XP：

《Step 1》

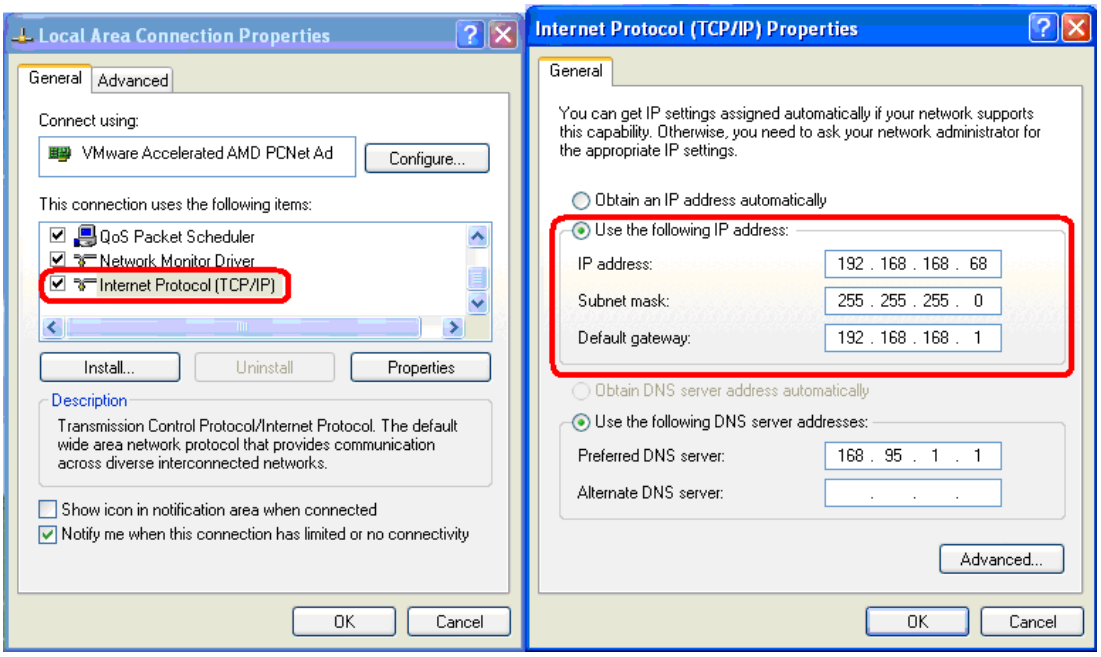
Click WINDOWS XP my computer

, Open Control Pan 

on the left side, please turn to traditional overview and select network link

《Step 2》

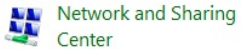
Click LAN, then select content, the link configuration will be shown, click Internet Protocol (TCP/IP), then input the same setting as BFMINI, as below figure:


Local Area Connection Properties
General
Advanced
Connect using:
VMware Accelerated AMD PCNet Ad
Configure...
This connection uses the following items:
QoS Packet Scheduler
Network Monitor Driver
Internet Protocol (TCP/IP)
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
Notify me when this connection has limited or no connectivity
OK
Cancel
Internet Protocol (TCP/IP) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 168 . 68
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 168 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 168 . 95 . 1 . 1
Alternate DNS server:
Advanced...
OK
Cancel

WINDOWS 7：

《Step 1》

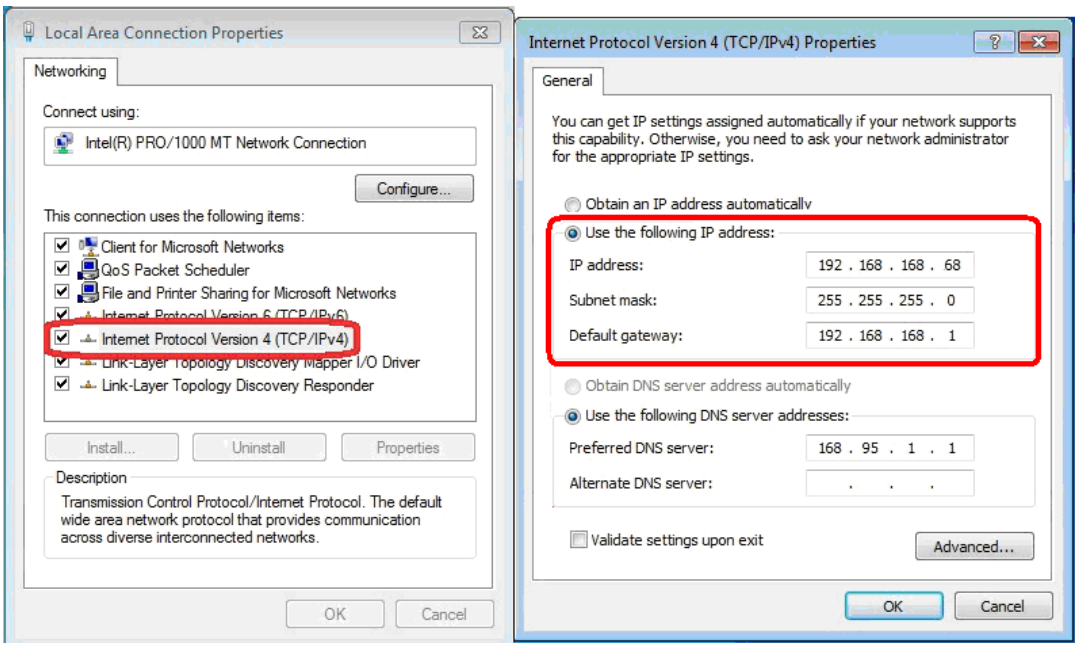
Click Windows 7 icon, select

, open and search for , 

click Alter Interface Card on the upper-left side.

《Step 2》

Click LAN link, select content, then the LAN settings will be shown, click Internet Protocol(TCP/IPv4) , then input the same setting as BFMINI, as below figure:


Local Area Connection Properties
Networking
Connect using:
Intel(R) PRO/1000 MT Network Connection
Configure...
This connection uses the following items:
Client for Microsoft Networks
QoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
Internet Protocol Version 4 (TCP/IPv4)
Link-Layer Topology Discovery Responder
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK
Cancel
Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address: 192 . 168 . 168 . 68
Subnet mask: 255 . 255 . 255 . 0
Default gateway: 192 . 168 . 168 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server: 168 . 95 . 1 . 1
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

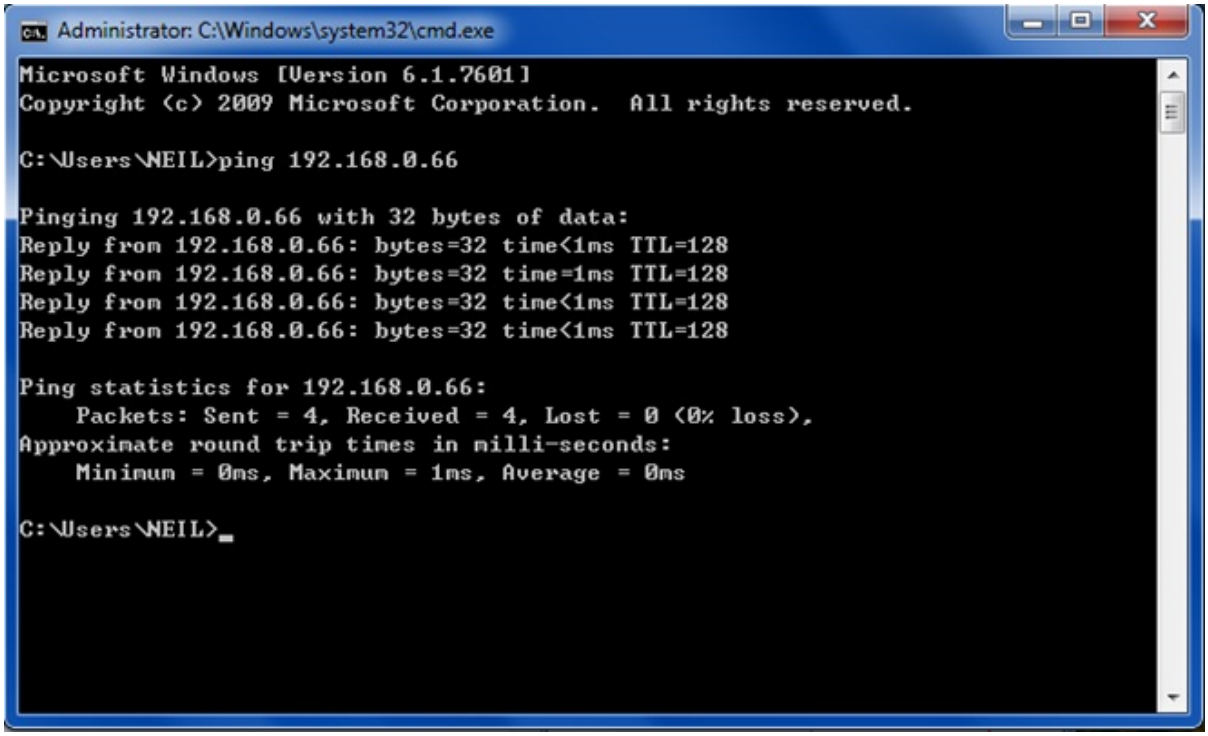
◆ How to login to BFMINI Web via web browser

1、Start Web browser (ig: WIN 7 IE), input BFMINI's IP Address, for example: use the default BFMINI IP Address: http://192.168.0.66

2、If connection failed, should check:

- If BFMINI installed and its power supplied properly

- To examine the LAN connection, can use start tools→Execute→Input cmd open MS-DOS, Input " ping" to test BFMINI connection, input command: ping 192.168.0.66, as shown below:


Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\Users\NEIL>ping 192.168.0.66
Pinging 192.168.0.66 with 32 bytes of data:
Reply from 192.168.0.66: bytes=32 time<1ms TTL=128
Reply from 192.168.0.66: bytes=32 time=1ms TTL=128
Reply from 192.168.0.66: bytes=32 time<1ms TTL=128
Reply from 192.168.0.66: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.0.66:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\Users\NEIL>

- If no response received, it explains the link has troubles either the connection is not proper or the PC's IP address can not match with BFMINI's IP address

- Set the PC's IP address with BFMINI's IP address with same segment, if the PC uses fixed IP address, the address must be ranged in: 192.168.0.1 ~ 192.168.0.65 or 192.168.0.67 ~ 192.168.0.254 , thus it can be compatible with BFMINI's default IP address: 192.168.0.66, the **Subnet Mask'**s setting must be: 255.255.255.0, please refer to page 6 ~ 7

3、If the connection with BFMINI is successful, then it will display a message window for User name and Password, the default for user name and Password is: admin/admin, as shown below:

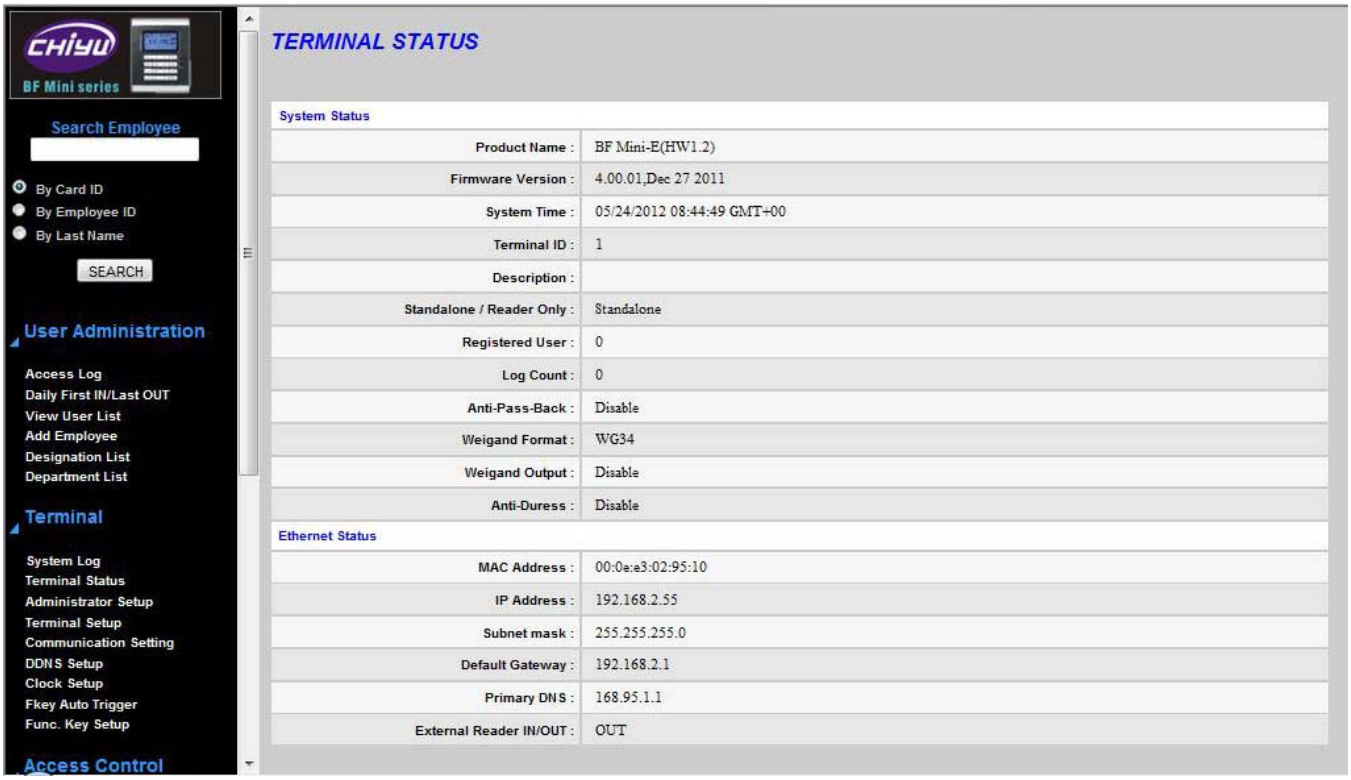
Windows Security
The server 192.168.3.158 at requires a username and password.
Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).
User name
Password
Remember my credentials
OK
Cancel

4、While the user name and password entered, a Web setting interface of BFMINI will be showed, enter it will then display a **" Terminal Status "** page.

Ⅳ、Web Function Instruction

➢ Home Screen

Enter BFMINI web set up interface, the main screen will show the terminal status as below:



【Home Screen】

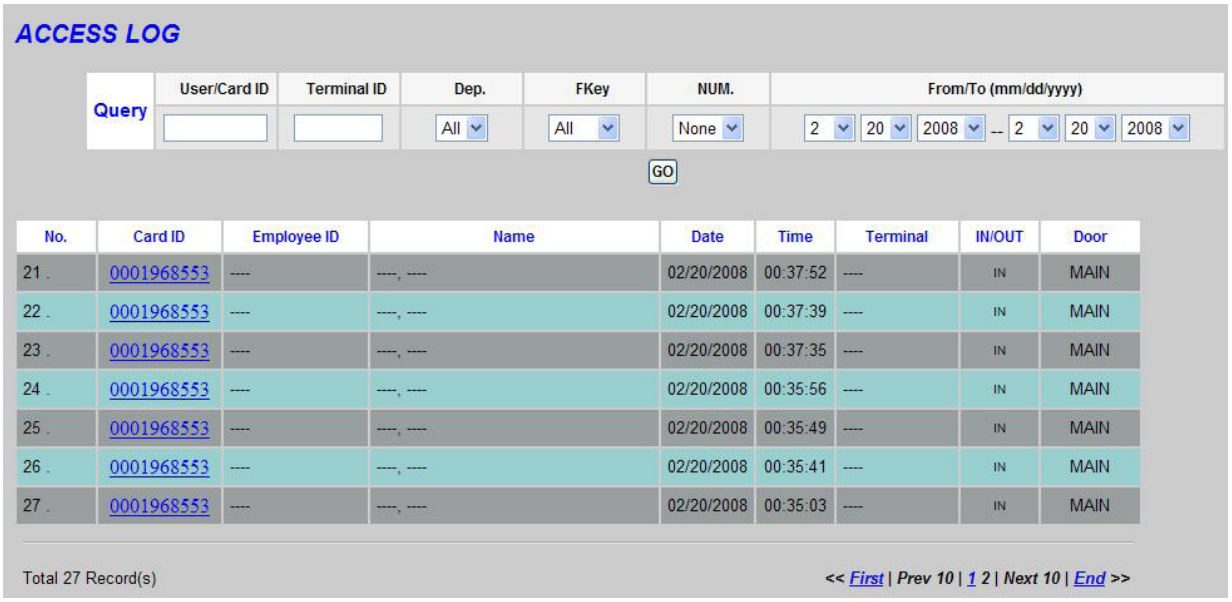
● Function instruction – Home Screen

Function	Description
Search Staff	➢ **By Card ID**：Search Staff by card ID ➢ **By Employee ID**：Search Staff by Employee ID ➢ **By Last Name**：Search Staff by Last Name **Operate process:** Choose the way to search (card ID/employee ID/last name)→ Enter query number in the column → Push button “GO” to operate
User Administration	
Access Log	Change to the screen of log browse.
Daily First IN/Last OUT	Change to the screen of employee first in/last out of today.
View User List	Change to the screen of registered user browse, can modify、delete、active and deactivate user.
Add Employee	Change to the screen of add user.
Designation List	Change to the screen of designation list.
Department List	Change to the screen of department list.
Terminal	
System Log	Change to the screen of system log browse.
Terminal Status	Change to the screen of terminal information browse (Home Screen).
Administrator Setup	Change to the screen of administrator and user password configuration.
Terminal Setup	Change to the screen of terminal configuration.
Communication Setting	Change to the screen of communication configuration.
DDNS Setup	Change to the screen of DDNS configuration.
Clock Setup	Change to the screen of Date/Time configuration.
Fkey Auto Trigger	Change to the screen of IN/OUT trigger configuration.
Func. Key Setup	Change to the screen of function key configuration.
Access Control	
Time Se	Change to the screen of time configuration.
Time Zone Setup	Change to the screen of time zone configuration.
Group List	Change to the screen of group configuration.
Holiday Setup	Change to the screen of holiday configuration.
Door Setup	Change to the screen of door configuration.
Door Status	Change to the screen of door status browse.
Door Remote Control	Change to the screen of event handle.
Tools	
Attendance Report(XLS)	Change to the screen of attendance report.(Excel format)
Exports(TXT)	Change to the screen of log export.(Text format)
Exports(XLS)	Change to the screen of log export.(Excel format)
Backup	Change to the screen of user’s data backup.
Restore/Import	Change to the screen of user’s data restore/import.
Device Admin	Change to the screen of device administration.
Reboot	Change to the screen of reboot.
Upgrade Firmware	Change to the screen of firmware upgrade.
Reset	Change to the screen of delete all data.

➢ User Administration

1、Access Log

Click the **"Access Log"** of main menu, the Access Log will display as below picture shows:



ACCESS LOG

Query | User/Card ID | Terminal ID | Dep. | FKey | NUM. | From/To (mm/dd/yyyy)

User/Card ID: | Terminal ID: | Dep.: All | FKey: All | NUM.: None | From: 2 / 20 / 2008 -- To: 2 / 20 / 2008

GO

No.	Card ID	Employee ID	Name	Date	Time	Terminal	IN/OUT	Door
21 .	0001968553	----	----, ----	02/20/2008	00:37:52	----	IN	MAIN
22 .	0001968553	----	----, ----	02/20/2008	00:37:39	----	IN	MAIN
23 .	0001968553	----	----, ----	02/20/2008	00:37:35	----	IN	MAIN
24 .	0001968553	----	----, ----	02/20/2008	00:35:56	----	IN	MAIN
25 .	0001968553	----	----, ----	02/20/2008	00:35:49	----	IN	MAIN
26 .	0001968553	----	----, ----	02/20/2008	00:35:41	----	IN	MAIN
27 .	0001968553	----	----, ----	02/20/2008	00:35:03	----	IN	MAIN

Total 27 Record(s)

<< First | Prev 10 | 1 2 | Next 10 | End >>

【Access Log Screen】

● Function instruction –Access Log

Function	Description
Query	➢ **User /Card ID**：Enter user/card ID to search ➢ **Terminal ID**：Enter terminal ID to search ➢ **Dep**：Choose the department to search, it will show all department lists for you to choose. ➢ **Fkey**：Choose the function key to search, it will show all function key lists for you to choose. ➢ **NUM**：Choose the function key number to search, it will show all number key lists for you to choose. ➢ **From/To(mm/dd/yyyy)**：Enter the date period to search. **Operate process**： Enter and choose the query item in the blank column and list. →Push button “GO” to operate.
►Column Description of Record	
No.	Display serial number
Card ID	➢ Display card ID ➢ The ID link can reach employee setup screen. If the ID link can’t reach employee setup screen, it means the ID was deleted. ➢ Event log display is 000000000
Employee ID	Display employee ID, “----, ----” mean user’s employee ID does not input in employee setup.
Name	Display user’s name, “----,----” mean user’s name does not input in employee setup.
Date	Display date of log.
Time	Display time of log.
Terminal	Show terminal’s name, “----” mean terminal’s name does not input in terminal setup.
IN/OUT	Display the function key which user enters. EX：**IN** →Haven’t press function button before identification **OUT** →BFMINI connect with BF-20 and door open when punch the card on the Wiegand reader **F1…F4、F1+1…F4+9** →Setting display The field is also related with IN/OUT Trigger Setup and Function Key Setup.
Door	Means the door control by BFMINI

2、Daily First IN/Last OUT

Click the **"Daily First IN/Last Out"** of main menu, the Daily First IN/Last Out will display as below picture shows:

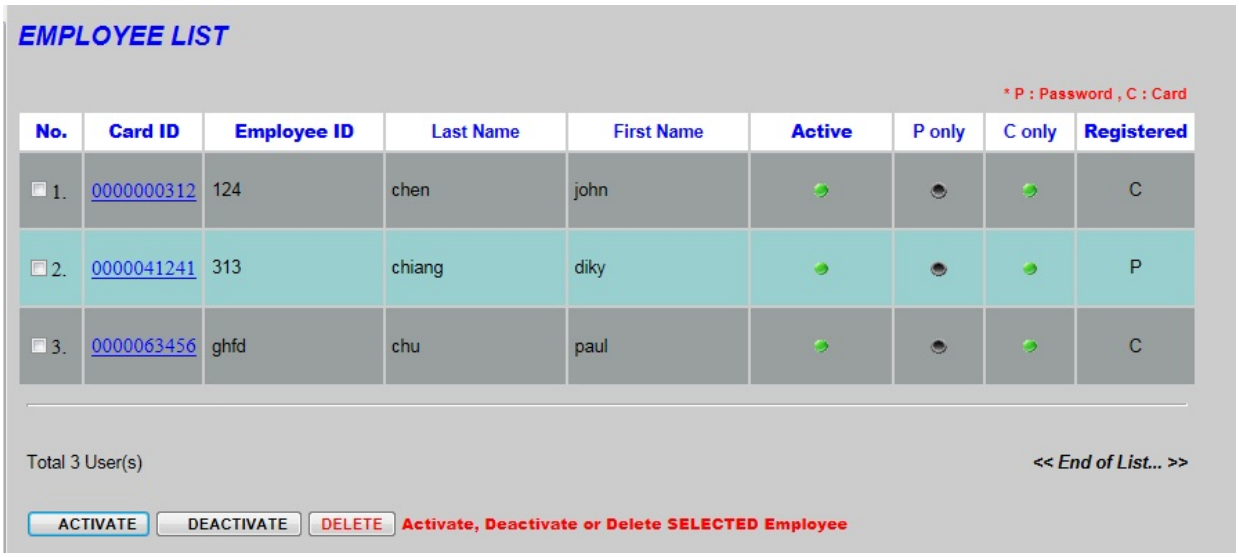
【Daily First IN/Last OUT Screen】

● Function instruction–Daily First IN/Last OUT

Function	Description
No.	Display serial number
Card ID	➢ Display card ID ➢ The ID link can reach employee setup screen. If the ID link can't reach employee setup screen, it means the ID was deleted.
Employee ID	Display employee ID, "----,----" mean user's employee ID does not input in employee setup.
Name	Display user's name, "----,----" mean user's name does not input in employee setup.
Date	Display Date of log.
First IN	Display first enter time log.
Last OUT	Display last out time log.

3、Employee List

Click the **"Employee List"** of main menu, the Employee List will display as below picture shows:


EMPLOYEE LIST
* P : Password , C : Card
No. Card ID Employee ID Last Name First Name Active P only C only Registered
1. 0000000312 124 chen john C
2. 0000041241 313 chiang diky P
3. 0000063456 ghfd chu paul C
Total 3 User(s)
<< End of List... >>
ACTIVATE DEACTIVATE DELETE Activate, Deactivate or Delete SELECTED Employee

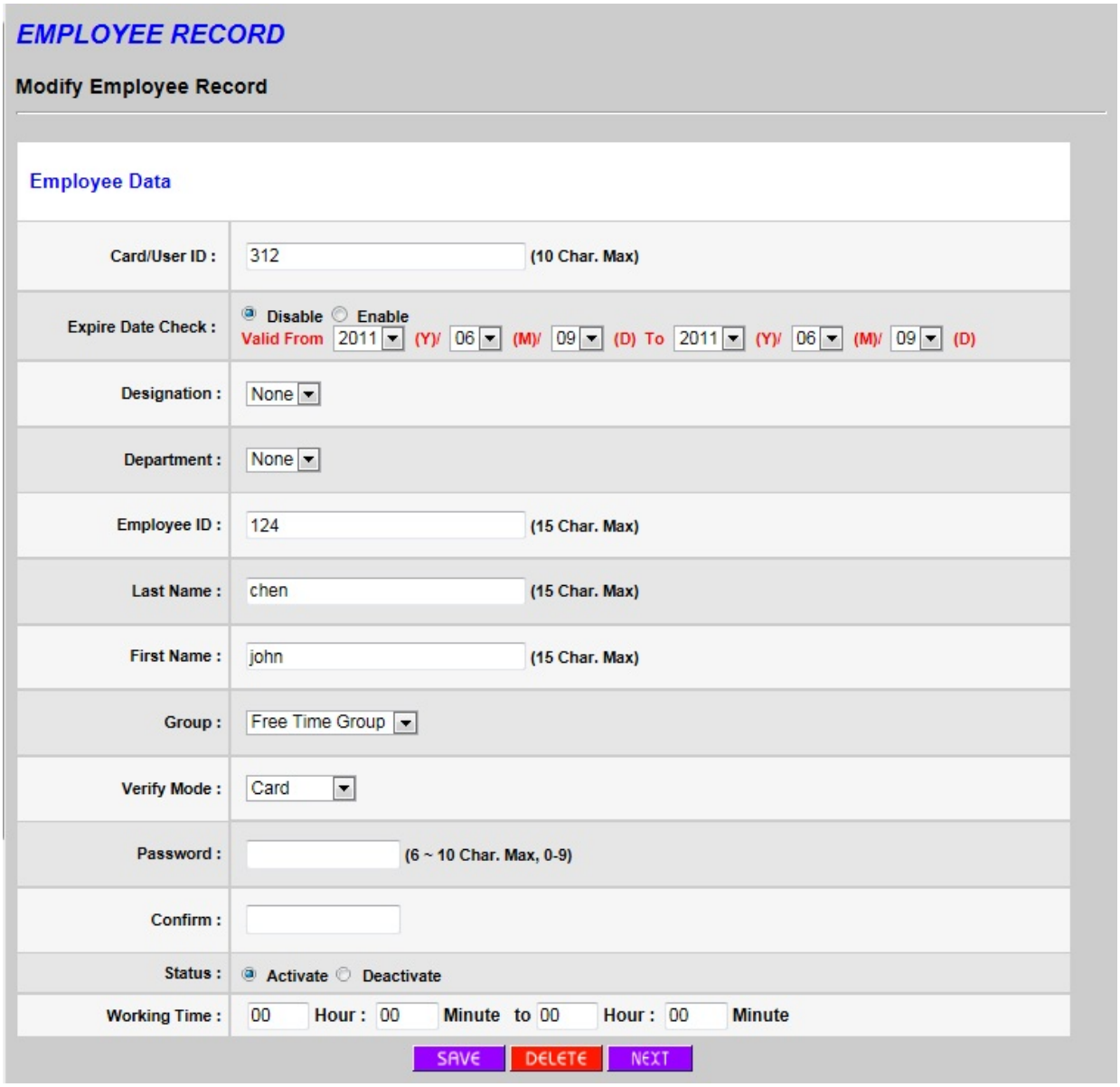
【Employee List Screen】

● Function instruction－Employee List

Function	Description
No.	➢ Display serial number ➢ If you want to active、deactivate or delete user please click check box on the left of serial number. ➢ Multiple choice
Card ID	➢ Display card ID ➢ Card ID link can reach employee setup screen
Employee ID	➢ Display employee ID ➢ "----" mean user's employee ID does not input in employee setup.
Last/First Name	➢ Display the name of user. ➢ "----" mean user's name does not input in employee setup.
Active	➢ Display state of active. Green：Active, Gray：Deactive.
P Only	Green：Password verify、Gray：Other verify.
C Only	Green：Card verify、Gray：Other verify.
Registered	Display registered data of user. P：Card + Password, C：Card only

（1）Modify Employee Record

Click employee card number can link to employee record screen as below:


EMPLOYEE RECORD
Modify Employee Record
Employee Data
Card/User ID : 312 (10 Char. Max)
Expire Date Check : Disable Enable
Valid From 2011 (Y)/ 06 (M)/ 09 (D) To 2011 (Y)/ 06 (M)/ 09 (D)
Designation : None
Department : None
Employee ID : 124 (15 Char. Max)
Last Name : chen (15 Char. Max)
First Name : john (15 Char. Max)
Group : Free Time Group
Verify Mode : Card
Password : (6 ~ 10 Char. Max, 0-9)
Confirm :
Status : Activate Deactivate
Working Time : 00 Hour : 00 Minute to 00 Hour : 00 Minute
SAVE DELETE NEXT

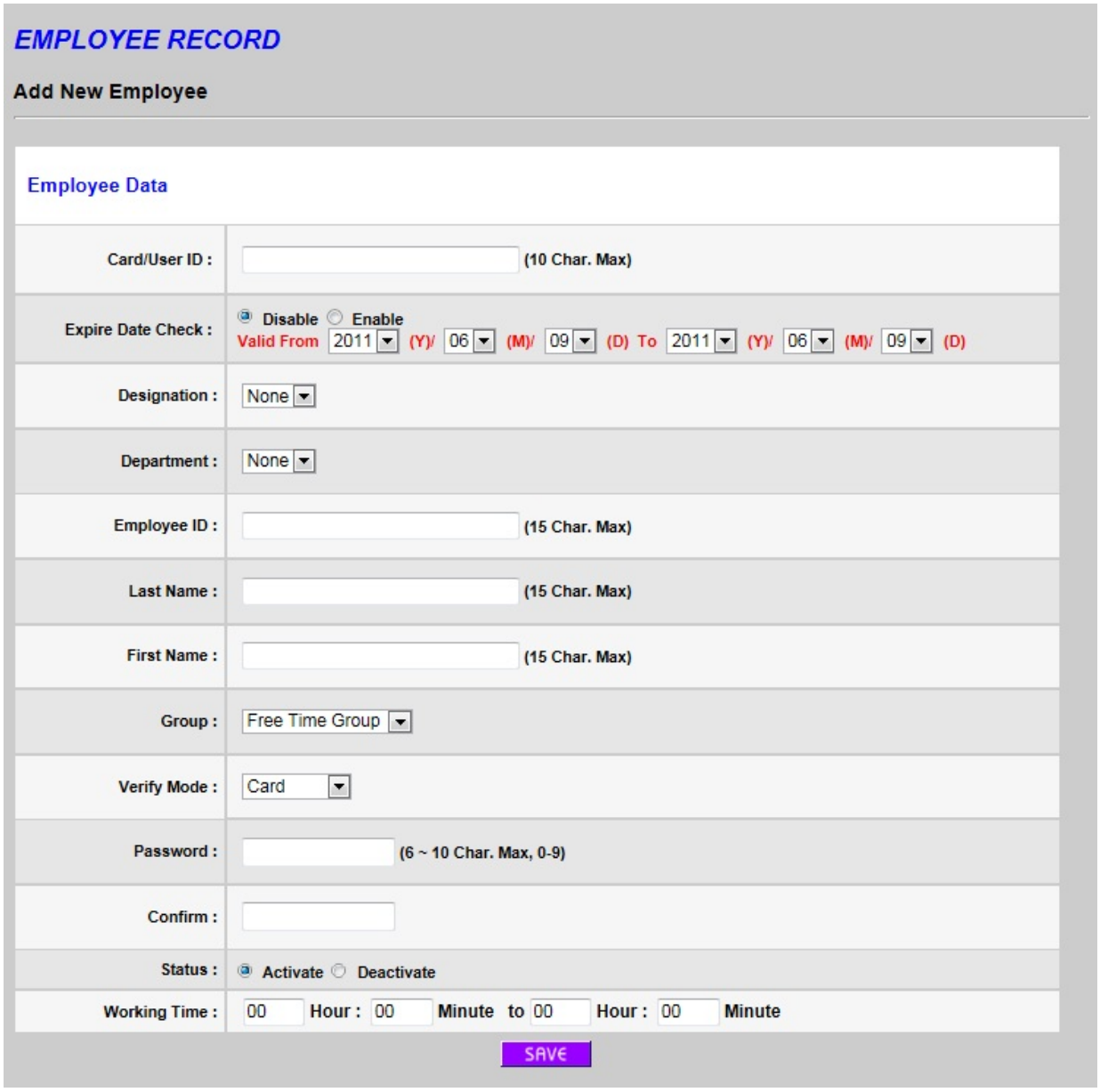
【Modify Employee Record Screen】

● Function instruction－Modify Employee Record

Function	Description
Card / User ID	➢ Display card/user ID , can't be modified ➢ Can not be set more than 4294967295
Expire Date Check	➢ Select to enable or disable employee's expire date ➢ If select to enable employee's expire date, it will show year, month, date to choose.
Designation	Select the designation
Department	Select e the department
Employee ID	➢ Fill in the employee ID, default is blank ➢ Needs to fill if you want to display employee's name after verification.
Last Name	➢ Fill in the last name of user, default is blank ➢ Needs to fill if you want to display employee's last name after verification.
First Name	➢ Fill in the first name of user, default is blank ➢ Needs to fill if you want to display employee's first name after verification.
Group	Select the group
Verify Mode	Select the way to verify use, it will show the list for you to select. Password: Card + Password Card: Card only
Password	Fill in user's verify password
Confirm	Confirm users verify password.
Status	Select to activate or deactivate user's right.
Work Time	Fill in the start and end work of employee for attendance report. If the employee's work time from 8AM to 5PM, please fill in 08:00 to 17:00.

4、Add Employee

Click the **"Add Employee"** of main menu, the Employee Record will display as below picture shows:



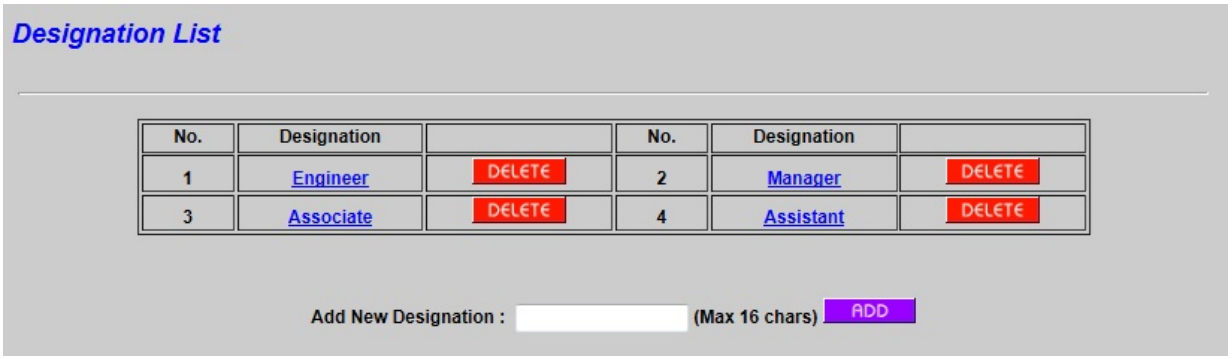
【Employee Record Screen】

● Function instruction－Add Employee

Function	Description
Card / User ID	➢ Display card/user ID , can't be modified ➢ Can not be set more than 4294967295
Expire Date Check	➢ Select to enable or disable employee's expire date ➢ If select to enable employee's expire date, it will show year, month, date to choose.
Designation	Select the designation
Department	Select e the department
Employee ID	➢ Fill in the employee ID, default is blank ➢ Needs to fill if you want to display employee's name after verification.
Last Name	➢ Fill in the last name of user, default is blank ➢ Needs to fill if you want to display employee's last name after verification.
First Name	➢ Fill in the first name of user, default is blank ➢ Needs to fill if you want to display employee's first name after verification.
Group	Select the group
Verify Mode	Select the way to verify use, it will show the list for you to select. Password: Card + Password Card: Card only
Password	Fill in user's verify password
Confirm	Confirm users verify password.
Status	Select to activate or deactivate user's right.
Work Time	Fill in the start and end work of employee for attendance report. If the employee's work time from 8AM to 5PM, please fill in 08:00 to 17:00.

5、Designation List

Click the **"Designation List"** of main menu, the Designation List will display as below picture shows:



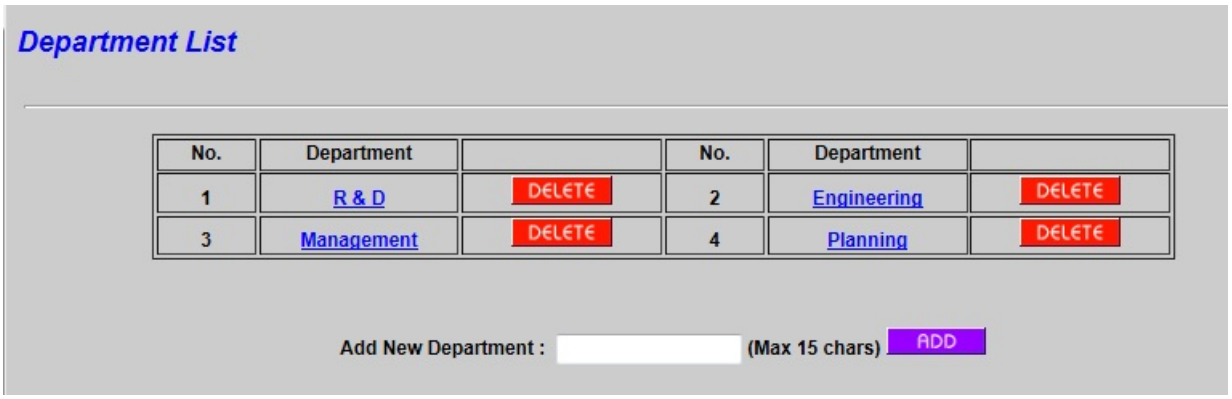
【Designation List Screen】

● Function instruction－Designation List

Function	Description
No.	Display serial number
Designation	Display added designation. Use designation link can check all employees' data in that designation
Add New Designation	Fill in designation which you want to add
Delete	Delete added designation

6、Department List

Click the **"Department List"** of main menu, the Department List will display as below picture shows:



【Department List Screen】

● Function instruction－Department List

Function	Description
No.	Display serial number
Department	Display added department. Use designation link can check all employees' data in that department
Add New Department	Fill in department which you want to add
Delete	Delete added department

➢ Terminal

1、System Log

Click the **"System Log"** of main menu, the System Log will display as below picture shows:

SYSTEM LOG

No.	Date	Time	Description
1 .	06/09/2011	04:00:44	Sync Time Server(time.windows.com) Success
2 .	06/09/2011	04:00:07	Sync Time Server(time.windows.com) Fail
3 .	06/09/2011	04:00:00	System Warm Start
4 .	06/08/2011	10:09:06	Sync Time Server(time.windows.com) Success
5 .	06/08/2011	10:08:36	Sync Time Server(time.windows.com) Fail
6 .	06/08/2011	10:08:01	Sync Time Server(time.windows.com) Fail
7 .	06/08/2011	10:07:19	Sync Time Server(time.windows.com) Fail
8 .	06/08/2011	10:06:55	System Cold Start
9 .	06/08/2011	10:06:55	WEB Image File Upgrade Success via TFTP
10 .	06/08/2011	10:05:58	Sync Time Server(time.windows.com) Success
11 .	06/08/2011	10:05:22	Sync Time Server(time.windows.com) Fail
12 .	06/08/2011	10:05:14	System Warm Start
13 .	06/08/2011	10:05:14	Set GW(192.168.3.1) from Terminal
14 .	06/08/2011	10:05:14	Set SM(255.255.255.0) from Terminal
15 .	06/08/2011	10:05:14	Set IP(192.168.3.184) from Terminal
16 .	06/08/2011	10:04:43	Terminal Login by Normal Password
17 .	06/08/2011	10:04:33	Terminal Login by Normal Password
18 .	06/08/2011	10:04:23	Sync Time Server(time.windows.com) Success
19 .	06/08/2011	09:20:15	Terminal Login by Normal Password
20 .	06/08/2011	09:19:59	Sync Time Server(time.windows.com) Success
21 .	06/08/2011	09:18:46	Terminal Login by Normal Password
22 .	06/08/2011	16:16:30	Sync Time Server(time.windows.com) Success
23 .	06/08/2011	16:16:27	System Warm Start
24 .	06/08/2011	16:15:25	Req Time Server(time.windows.com) IP Fail
25 .	06/08/2011	16:14:33	System Cold Start
26 .	06/08/2011	16:14:33	WEB Image File Upgrade Success via TFTP
27 .	06/08/2011	16:13:59	Req Time Server(time.windows.com) IP Fail

Total 27 Record(s) <<

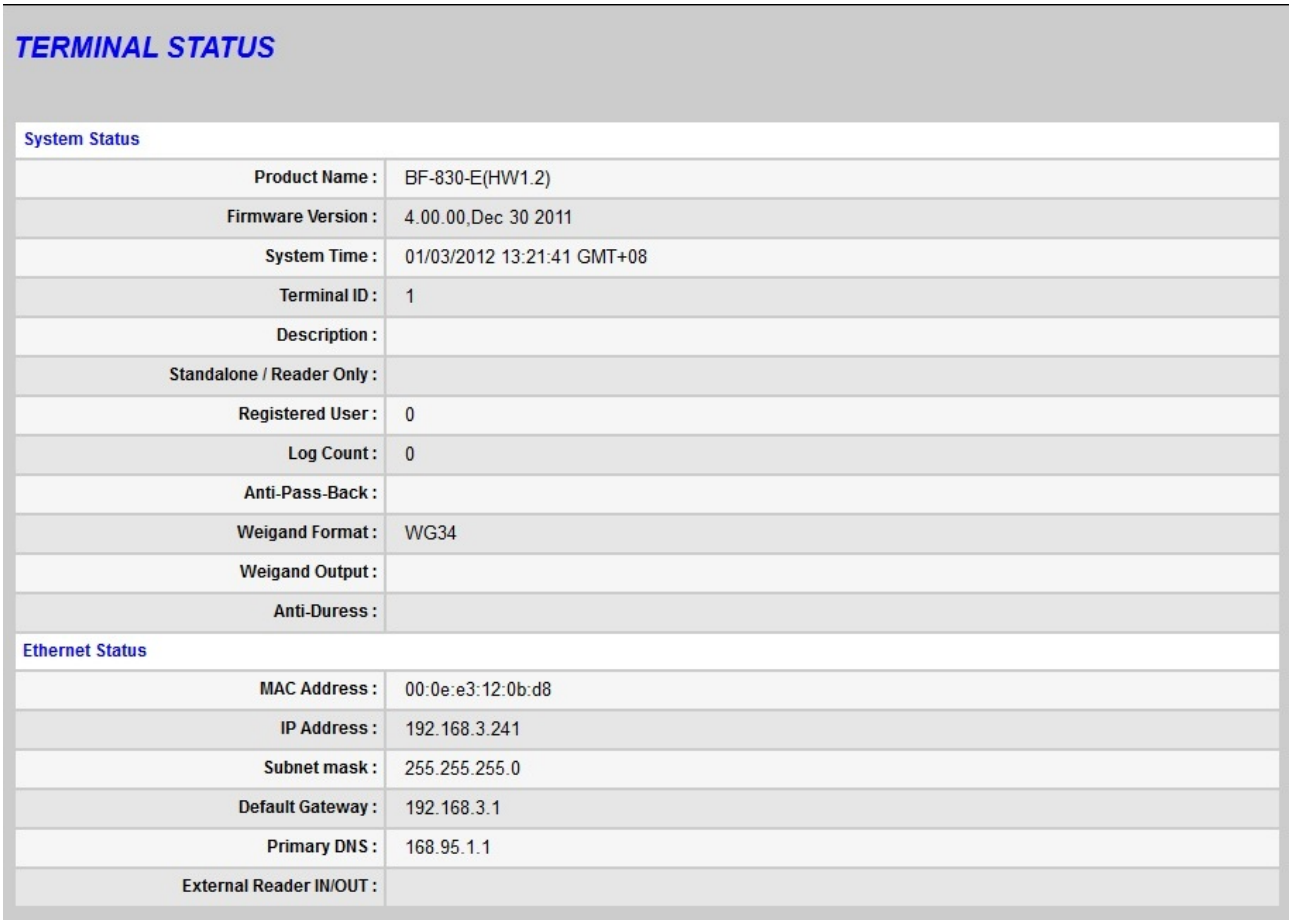
【System Log Screen】

● Function instruction－System Log

Function	Description
No.	Display serial number
Date	Display date of system log
Time	Display time of system log
Description	Describe Enter system operator WEB logon password.

2、Terminal Status

Click the **"Terminal Status"** of main menu, the Terminal Status will display as below picture shows:



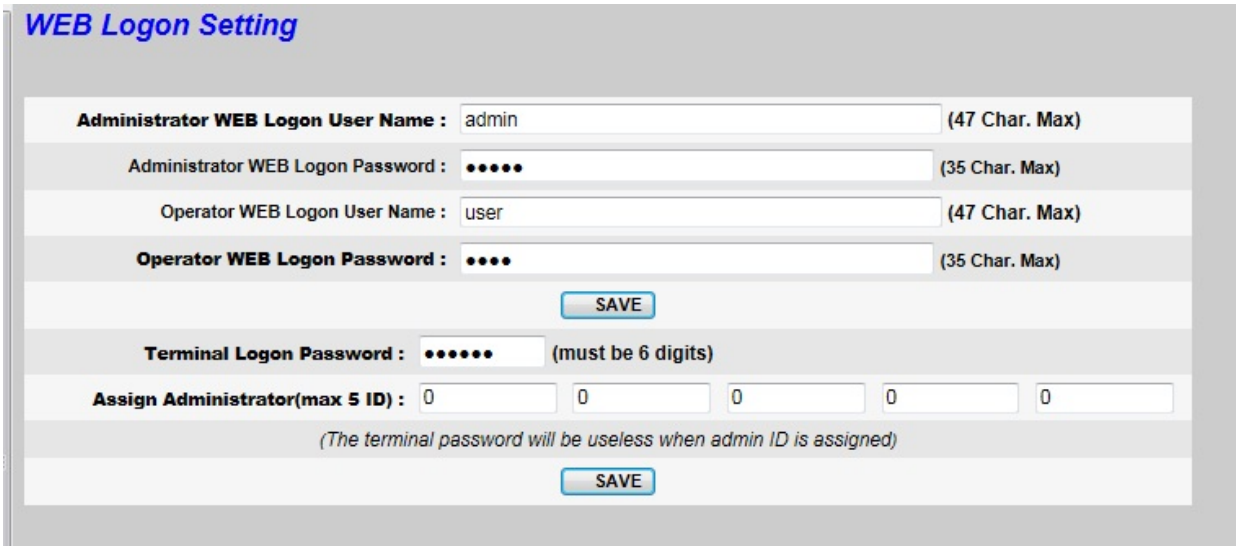
【Terminal Status Screen】

● Function instruction－Terminal Status

Function	Description
Product Name	Display product name of BFMINI
Firmware Version	Display firmware Version of BFMINI
System Time	Display system Time of BFMINI
Terminal ID	Display terminal ID of BFMINI
Terminal Name	Display terminal name of BFMINI
Standalone/Reader only	Display standalone or reader only of BFMINI
Registered User	Display registered User of BFMINI
Log Count	Display log count of BFMINI
Anti-Pass-Back	Display enable or disable anti-pass-back
Weigand Format	Display Weigand format of BFMINI
Weigand Output	Display Weigand output of BFMINI
Anti-Duress	Display enable or disable anti-duress
MAC Address	Display MAC address of BFMINI
IP Address	Display IP address of BFMINI
Subnet Mask	Display subnet mask of BFMINI
Default Gateway	Display default gateway of BFMINI
Primary DNS	Display primary DNS of BFMINI
External Reader IN/OUT	Display data from external reader IN or OUT. If External Reader is defined as “IN”, then data from BFMINI would be “OUT” ※ Data “IN” or “OUT” for BFMINI is concerned with Time Zone and Functional Key setup.

3、Administrator Setup

Click the **"Administrator Setup"** of main menu, the WEB Logon Setting will display as below picture shows:


WEB Logon Setting
Administrator WEB Logon User Name : admin (47 Char. Max)
Administrator WEB Logon Password : ••••• (35 Char. Max)
Operator WEB Logon User Name : user (47 Char. Max)
Operator WEB Logon Password : •••• (35 Char. Max)
SAVE
Terminal Logon Password : •••••• (must be 6 digits)
Assign Administrator(max 5 ID) : 0 0 0 0 0
(The terminal password will be useless when admin ID is assigned)
SAVE

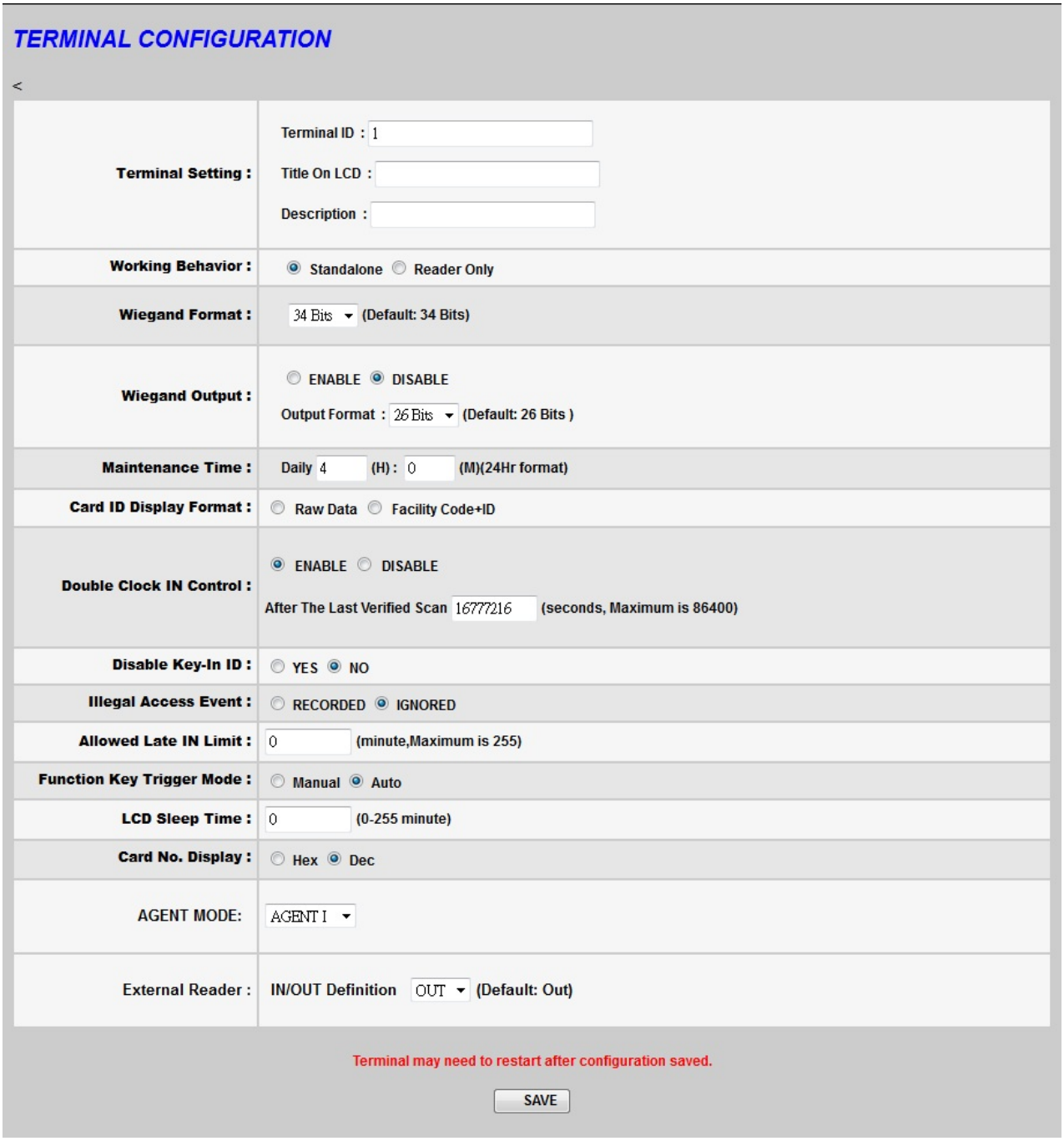
【WEB Logon Setting Screen】

● Function instruction－Administrator Setup

Function	Description
Administrator WEB Logon User Name	Fill in administrator web logon user Name
Administrator WEB Logon Password	Fill in administrator web logon password
Operator WEB Logon User Name	Fill in operator web logon user name
Operator WEB Logon Password	Fill in operator web logon password
Terminal Logon Password	Fill in terminal logon password
Assign Administrator	➢ Fill in administrator ID ➢ If you assign administrator ID, you can not use terminal logon password to enter the management menu of Terminal.

4、Terminal Setup

Click the **"Terminal Setup"** of main menu, the Terminal Configuration will display as below picture shows:



【Terminal Configuration Screen-1】

【Terminal Configuration Screen-2】

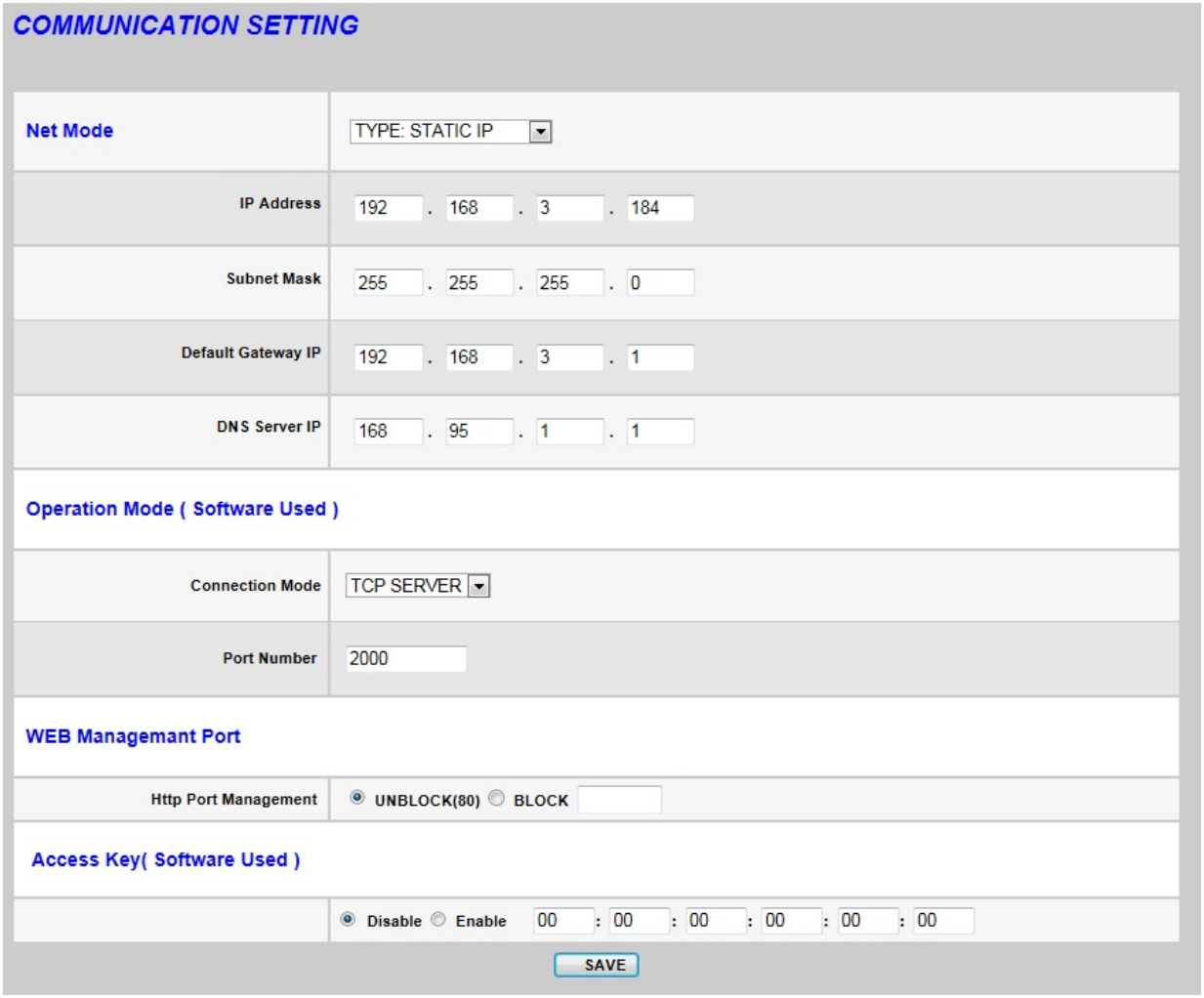
● Function instruction－Terminal Setup

Function	Description
Terminal Setting	➢ Terminal ID：Set terminal ID of BF-BFMINI，default setting is 1，please notice terminal ID cannot repeat if you set BFMINI as a reader ➢ Title On LCD：Set LCD title of BFMINI ➢ Description：Fill in terminal description
Working Behavior	➢ Standalone：Set BFMINI to work standalone (Verify by itself) ➢ Reader Only：Set BFMINI to work as a reader of BF-670/870
Wiegand Format	Set the format of wiegand input (26 bits or 34 bits)
Wiegand output	Enable and disable wiegand output and choose output format (26 bits or 34 bits)
Maintenance Time	Set system maintenance time everyday, possibly set the time that no one using system
Card ID Display Format	Choose card ID display format, there are Raw Data & Facility Code + ID can be select
Double Check IN control	➢ Enable or disable double check in control , default setting is disable ➢ Max. is 86400 seconds
Disable Key-in ID	Enable or disable to enter card ID by using the keypad
Illegal Access Event	Choose if you want to record the log of fail verification.
Allowed late IN Limit	Allowed the last in limit time, this setting will effect the attendance report
Function Key Trigger Mode	Select manual or auto of function key trigger mode Manual： Keep function status that last user pushed until other function be pushed. For example, the first user press”F1” and if the next user also need to press “F1”, then he does not need to press “F1” because the function key status already keep on the last users status Auto： system can judge itself for the setting of “IN/OUT TRIGGER SETUP” and “Function Key Setup”
LCD Sleep Time	Set the time to turn off of LCD backlight
Card No. Display	Select Hex or Dec of card number display
Agent Mode	Select agent mode I or II. 1. Agent mode I: In Agent mode I, IP address of BFMINI have to be set up in “Agent” software” to be able to communicate with “Agent”. Please refer to figure “Terminal Configuration Screen-1”. 2. Agent mode II: In Agent mode II, IP address of “Agent” and port number (default is 2000) have to be set up in 630 terminal setup page. Please refer to figure “Terminal Configuration Screen-2”.
External Reader	This function will define data from external reader whether is IN or OUT. The drop down menu will list all the option for user reference. If External Reader is defined as “IN”, then data from BFMINI would be “OUT” ※ Data “IN” or “OUT” for BFMINI is concerned with Time Zone and Functional Key setup.

5、Communication Setting

（1）Static IP

Click the **“Communication Setting”** of main menu, the Communication Setting **(Static IP)** will display as below picture shows:



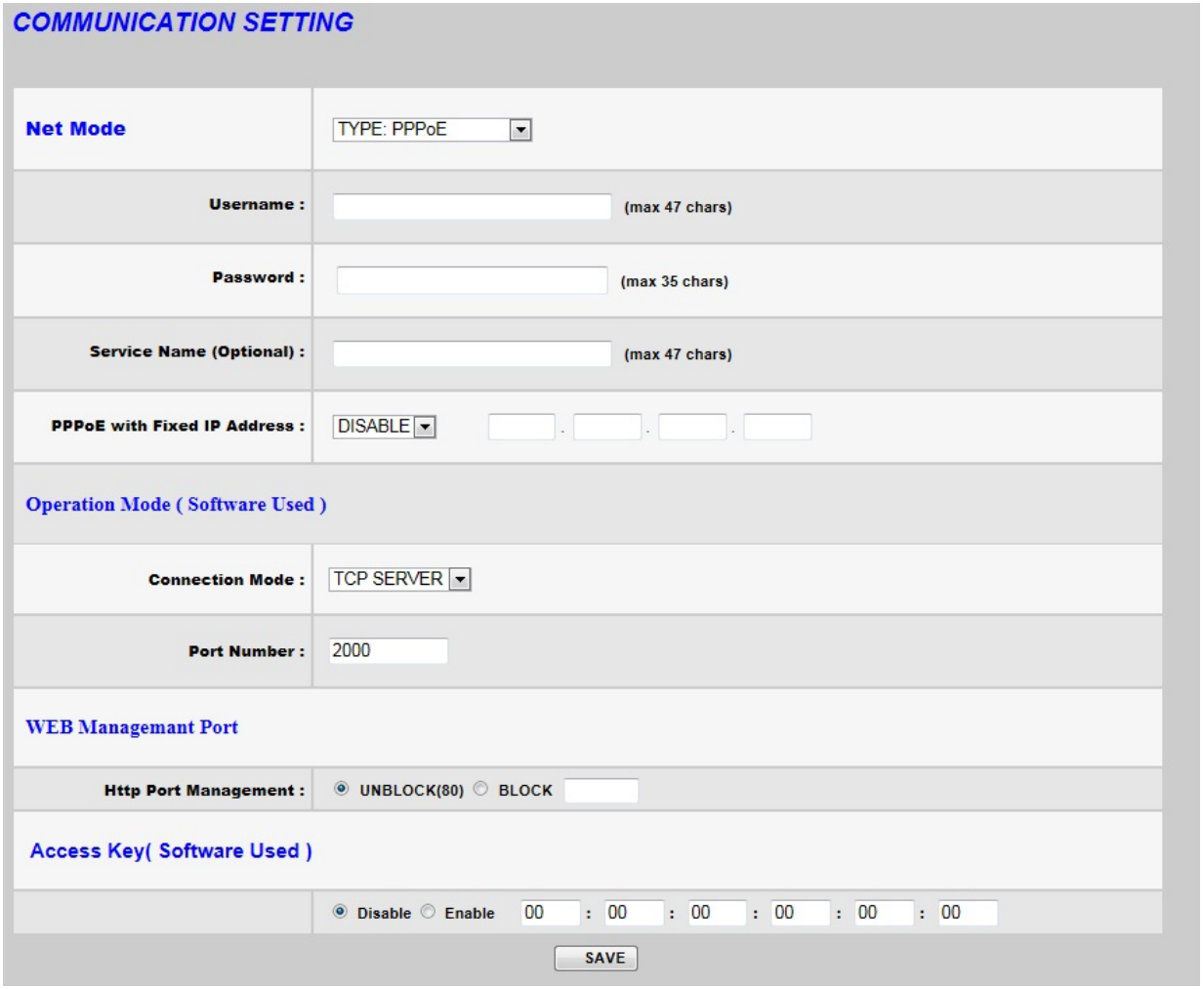
【Static IP Screen】

● Function instruction－communication setting (Status IP)

Function	Description
Net Mode	➢ **IP Address**：Fill in the IP address of BFMINI ➢ **Subnet Mask**：Fill in the subnet mask of BFMINI ➢ **Default Gateway IP**：Fill in the default gateway IP of BFMINI ➢ **DNS Server IP**：Fill in the DNS server IP of BFMINI
Operation Mode	➢ **Connection Mode**：Set connection mode with software. (TCP Server、UDP Server) ➢ **Port Number**：Set communication port between TCP/IP and software
WEB Management Port	Revise BFMINI HTTP port. 2000, 5850, 5851 already used for system, please avoid these three numbers and the port number used for windows. If the number what you set not 80, than you need to add ":" and port number next time. (ex.http://192.168.0.66:5000)
Access Key	➢ Select enable or disable the function of access key ➢ Insert access key：After turning on this feature, software needs to connect with BFMINI to send access key while saving the data. If the access key verification is correct, BFMINI will allow to access data.

（2）PPPoE

Click the **“Communication Setting”** of main menu, the Communication Setting **(PPPoE)** will display as below picture shows:



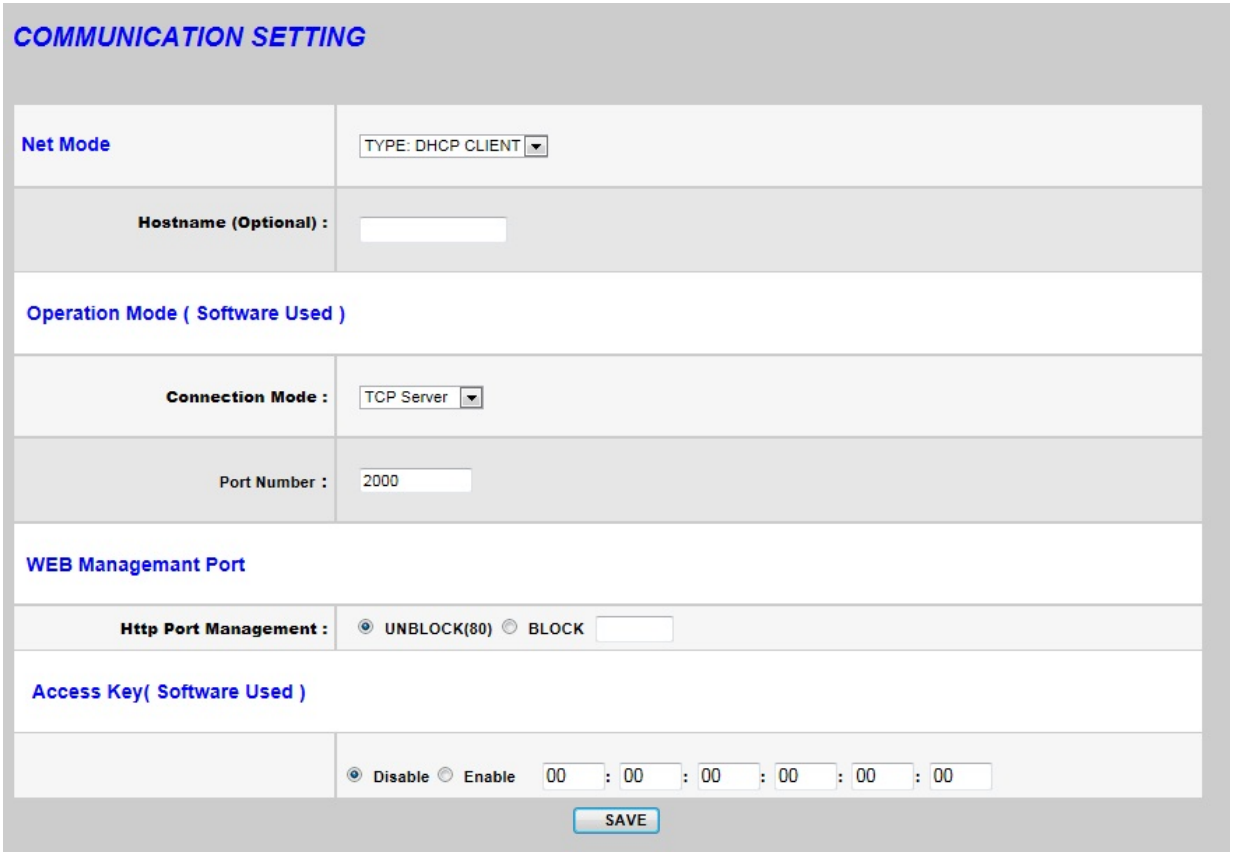
【PPPoE Screen】

● Function instruction－communication setting (PPPoE)

Function	Description
Net Mode	➢ **Username**：Fill in the user name, up to **47** characters ➢ **Password**：Fill in the password, up to **35** characters ➢ **Server Name**：Fill in the service name (optional), up to **47** characters ➢ **PPPoE with fixed IP**：Select disable or enable PPPoE with fixed IP, if enable, fill in the fixed IP
Operation Mode	➢ **Connection Mode**：Set connection mode with software.(TCP Server、UDP Server) ➢ **Port Number**：Set communication port between TCP/IP and software
WEB Management Port	Revise BFMINI HTTP port. 2000, 5850, 5851 already used for system, please avoid these three numbers and the port number used for windows. If the number what you set not 80, than you need to add ":" and port number next time. (ex.http://192.168.0.66:5000)
Access Key	➢ Select enable or disable the function of access key ➢ Insert access key：After turning on this feature, software needs to connect with BFMINI to send access key while saving the data. If the access key verification is correct, BFMINI will allow to access data.

（3）DHCP Client

Click the **“Communication Setting”** of main menu, the Communication Setting **(DHCP Client)** will display as below picture shows:



【DHCP Client Screen】

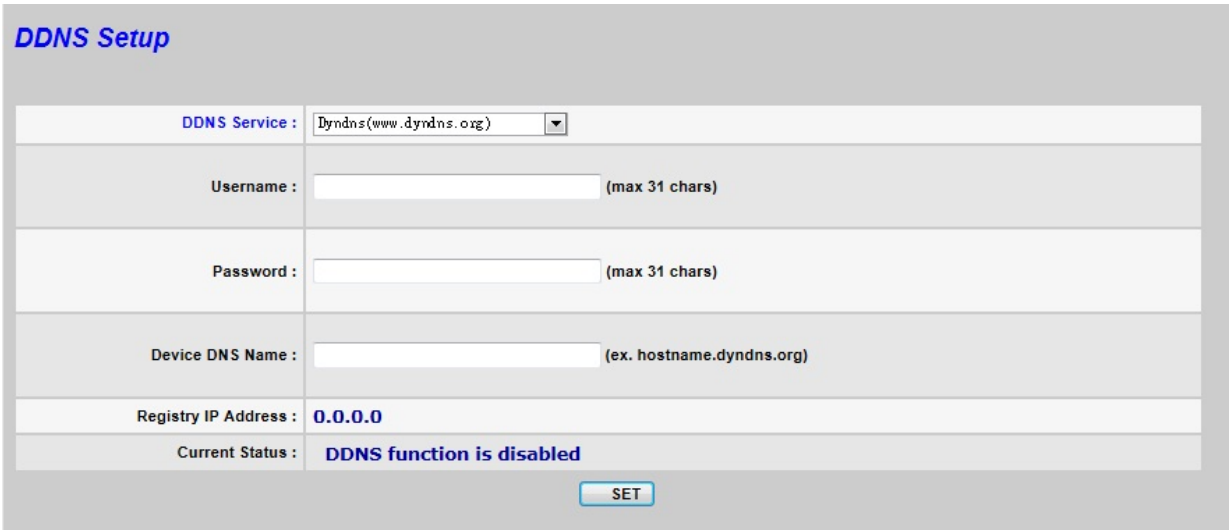
● Function instruction－communication setting (DHCP Client)

Function	Description
Net Mode	Fill in the host name (optional)
Operation Mode	➢ **Connection Mode**：Set connection mode with software.(TCP Server、UDP Server) ➢ **Port Number**：Set communication port between TCP/IP and software
WEB Management Port	Revise BFMINI HTTP port. 2000, 5850, 5851 already used for system, please avoid these three numbers and the port number used for windows. If the number what you set not 80, than you need to add “:” and port number next time. (ex.http://192.168.0.66:5000)
Access Key	➢ Select enable or disable the function of access key ➢ Insert access key：After turning on this feature, software needs to connect with BFMINI to send access key while saving the data. If the access key verification is correct, BFMINI will allow to access data.

6、DDNS Setup

（1）Dynds

Click the **“DDNS Setup”** of main menu, the DDNS setup **(dynds)** will display as below picture shows:



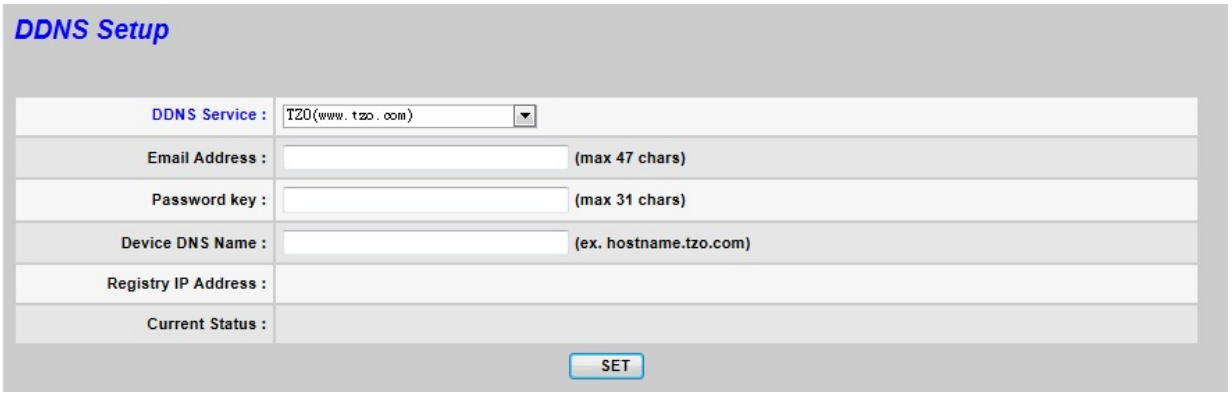
【Dynds Screen】

● Function instruction－Dynds

Function	Description
Username	Fill in the username for DDNS，up to **31** characters
Password	Fill in the password for DDNS，up to **31** characters
Device DNS Name	Fill in the device DNS name，for example：hostname.dyndns.org
Registry IP Address	Display the registry IP address，when DDNS is enabled, It will show the registry IP address
Status	Display DNS Serve status，when DDNS server does not enable ,it will show “**DDNS function is disabled**”

（2）TZ0

Click the **“DDNS Setup”** of main menu, the DDNS setup **(TZ0)** will display as below picture shows:



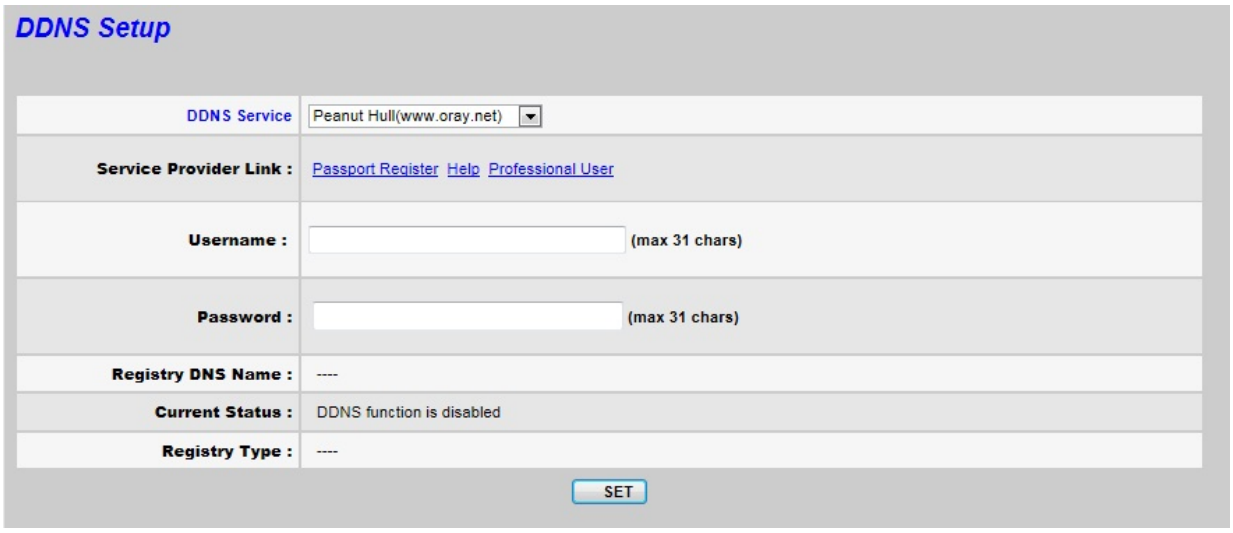
【TZ0 Screen】

● Function instruction－TZ0

Function	Description
E-mail Address	Fill in the E-mail address for DDNS , up to **47** characters
Password key	Fill in the password key for DDNS，up to **31** characters
Device DNS Name	Fill in the device DNS name，for example：hostname.tzo.com
Registry IP Address	Display the registry IP address，when DDNS is enabled, It will show the registry IP address
Status	Display DNS Serve status

（3）Peanut Hull

Click the **“DDNS Setup”** of main menu, the DDNS setup **(Peanut Hull)** will display as below picture shows:



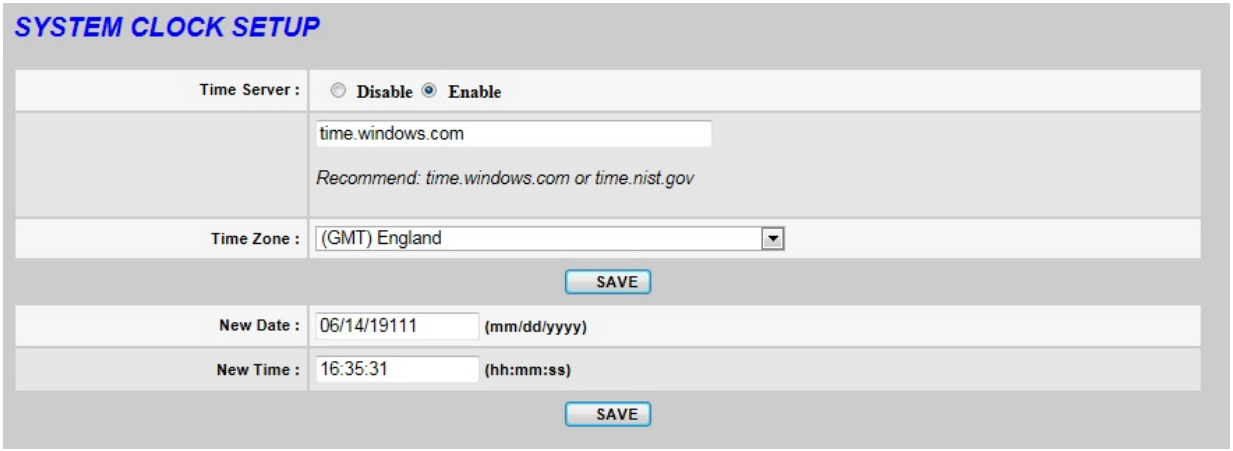
【Peanut Hull Screen】

● Function instruction－Peanut Hull

Function	Description
Service Provider Link	Click the link to the service provider website
Username	Fill in the username for DDNS，up to **31** characters
Password	Fill in the password for DDNS，up to **31** characters
Registry DNS Name	Display the registry DNS name
Current Status	Display the current status, when DDNS is enabled, It will show the registry IP address
Registry Type	Display the registry type

7、Clock Setup

Click the **"Clock Setup"** of main menu, the System Clock Setup will display as below picture shows:



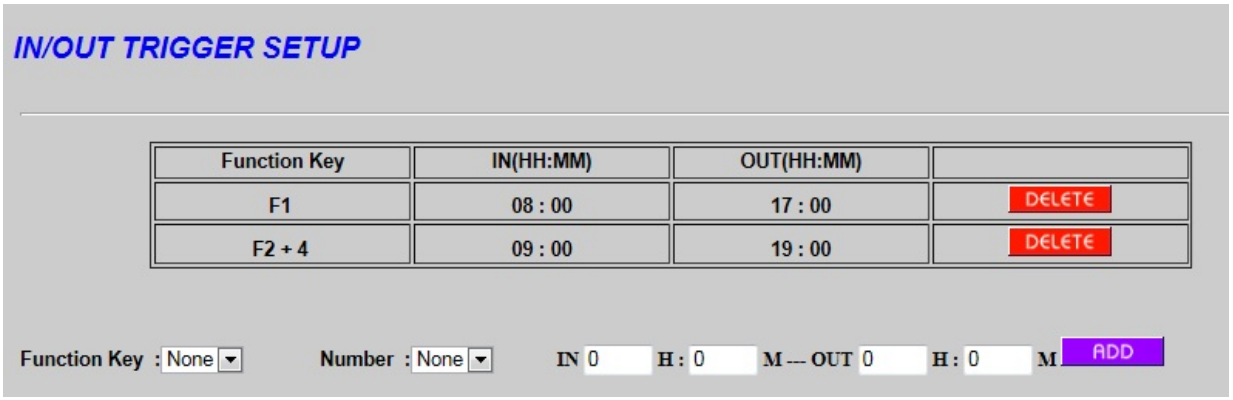
【System Clock Setup Screen】

● Function instruction－Clock Setup

Function	Description
Time Server	Enable or Disable adjusting time from Time Server. If enable the function then network timer server is required. BFMINI can adjusts time automatically itself through the network time server
Time Zone	Select time zone
New Date	The present date of connected PC
New Time	The present time of connected PC

8、Fkey Auto Trigger

Click the **"Fkey auto trigger"** of main menu, the IN/OUT trigger setup will display as below picture shows:



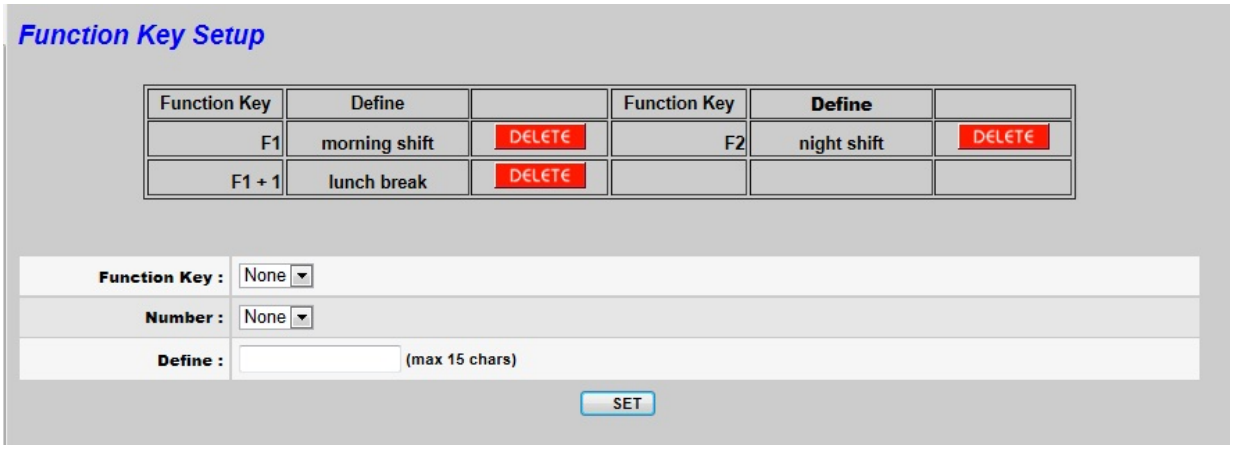
【IN/OUT trigger setup Screen】

● Function instruction－IN/OUT trigger setup

Function	Description
Function Key	Select function key. (F1~F4)
Number	Select function key number. (1~9)
IN/H/M---OUT/H/M	IN：enter start time OUT：enter end time
Delete	Delete confabulated time

9、Func. Key Setup

Click the **"Func.Key setup"** of main menu, the Function key setup will display as below picture shows:



【Function key setup Screen】

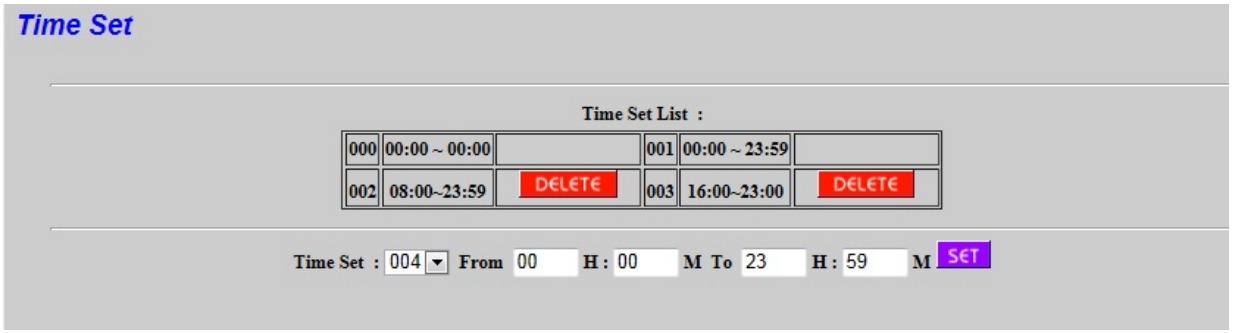
● Function instruction—Function key setup

Function	Description
Function key	Choose function key. (F1-F4)
Number	Choose function key number. (1-9)
Define	Enter the description of definition function key.
Delete	Delete configured function key.

➢ Access Control

1、Time Setup

Click the **Time Setup** of main menu, the Time Set will display as below picture shows:



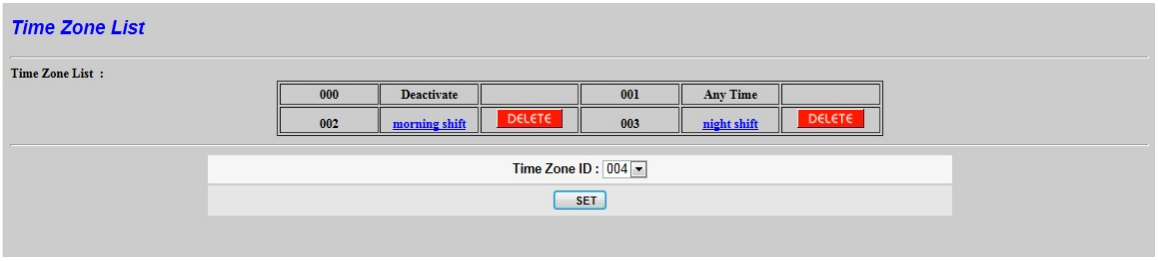
【Time Set Screen】

● Function instruction－Time Set

Function	Description
Time Set	Choose time number, 000 and 001 are system set inside.
From -To	Enter start/end time. For example, if you want to set 8am to 5pm, please enter 08:00 to 17:00.
Delete	Delete configured time.

2、Time Zone Setup

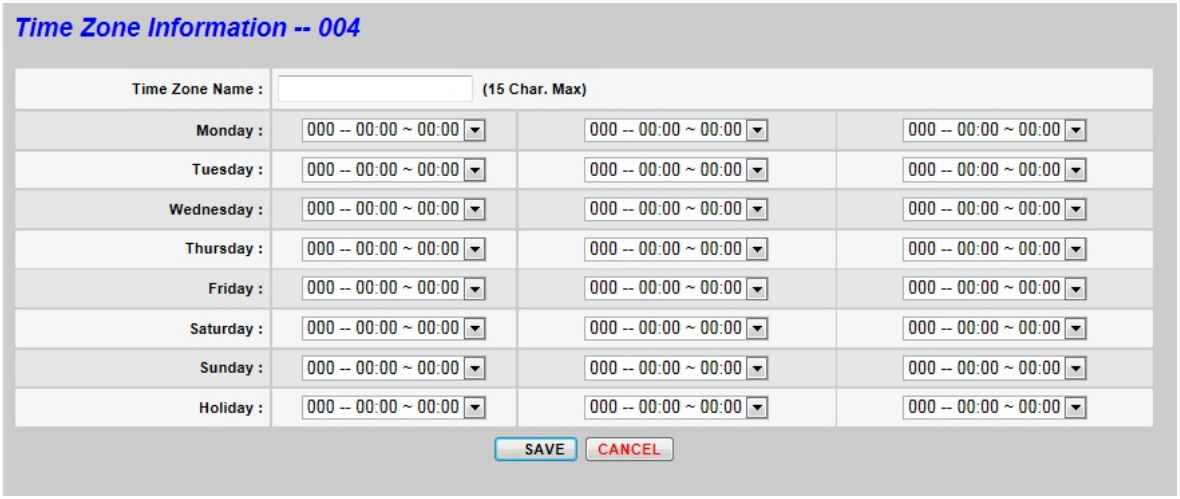
Click the **Time Zone Setup** of main menu, the Time Zone List will display as below picture shows:



【Time Zone List Screen】

● Function instruction—Time Zone List

Function	Description
Time Zone ID	Choose time zone number, 000 and 001 are system set inside.
Set	Enter time zone information screen.
Delete	Delete configured time zone.



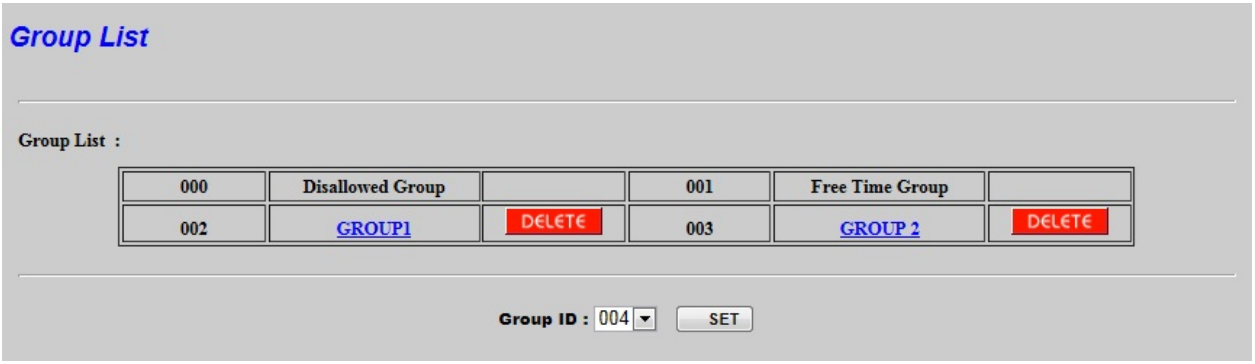
【Time Zone Information Screen】

● Function instruction—Time Zone List

Function	Description
Time Zone Name	Enter time zone name.
Day	Choose set time everyday, at most set 3 times.
Holiday	Choose set time on holiday, at most set 3 times.
Save	Save time zone information.

3、Group List

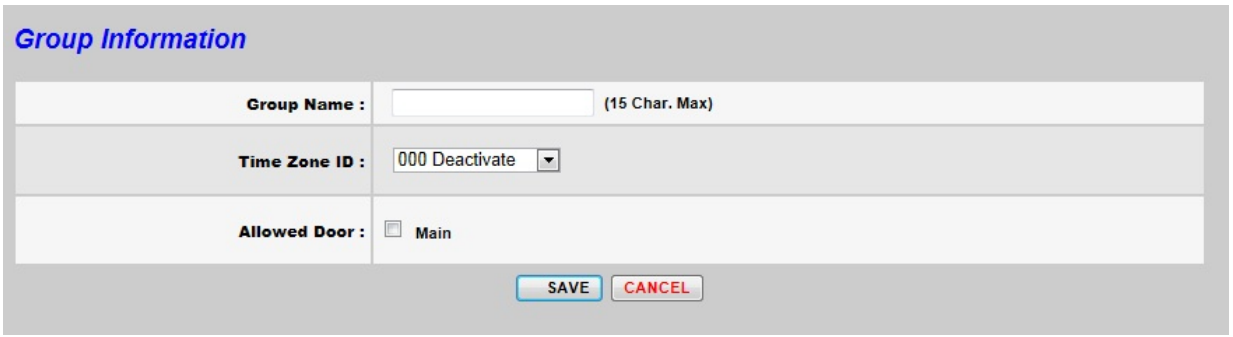
Click the **Group List** of main menu, the Time Zone List will display as below picture shows:



【Group List Screen】

● Function instruction－Time Zone List

Function	Description
Group ID	Choose group number, 000 and 001 are system set inside.
Set	Enter group setup screen.
Delete	Delete configured group.



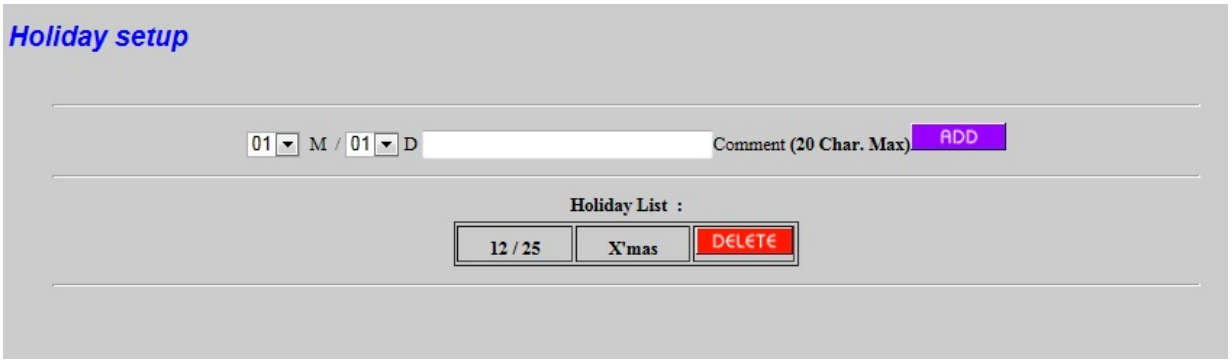
【Group Information Screen】

● Function instruction－Group Information

Function	Description
Group Name	Fill in the group name
Time Zone ID	Set time zone of that group.
Allow Door	Choose the door for that group.

4、Holiday Setup

Click the **Holiday Setup** of main menu, the Holiday Setup will display as below picture shows:



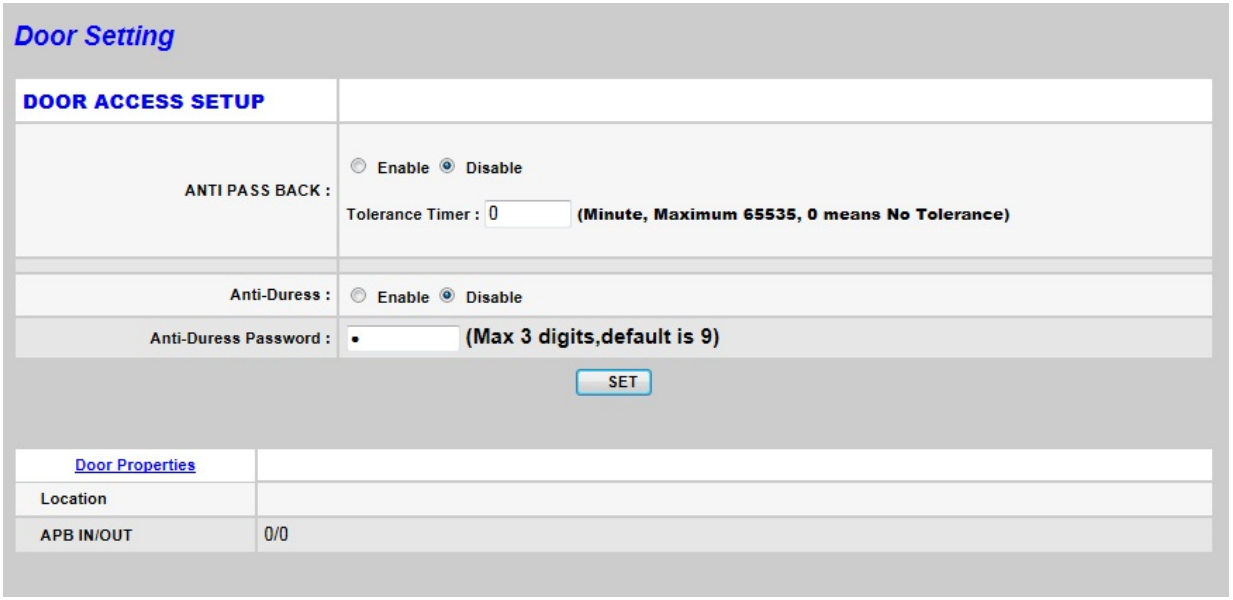
【Holiday Setup】

● Function instruction－Holiday Setup

Function	Description
Month/Date	Choose holiday.
Holiday Name	Fill in the holiday name.
Add	Add holiday.
Delete	Delete configured holiday.

5、Door Setup

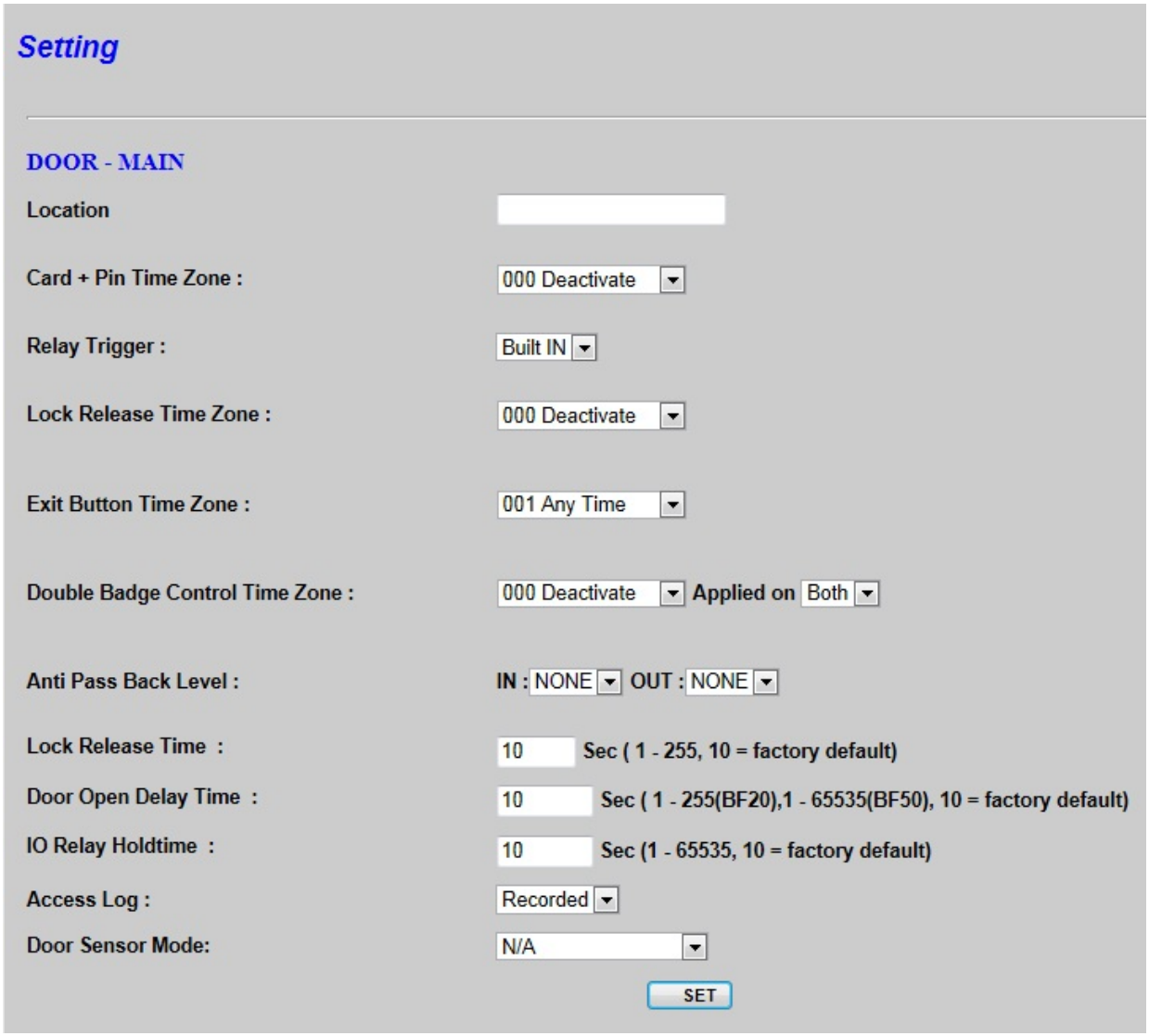
Click the **Door Setup** of main menu, the Door Setup will display as below picture shows:



【Door Setting Screen】

● Function instruction－Door Setting

Function	Description
Anti pass back	➢ Enable or disable the anti-pass back function, default is **disable** ➢ Tolerance Time：Set the time that the user restricted can enter again next time，default is **0 second**.
Anti pass back	Enable or disable Anti-Duress function
Anti pass back	Fill in Anti-Duress password，default is **9**
Door Properties	Choose it can link to door Setting screen
Location	Description of the door
APB IN/OUT	Show the security level of in/out device on every door.



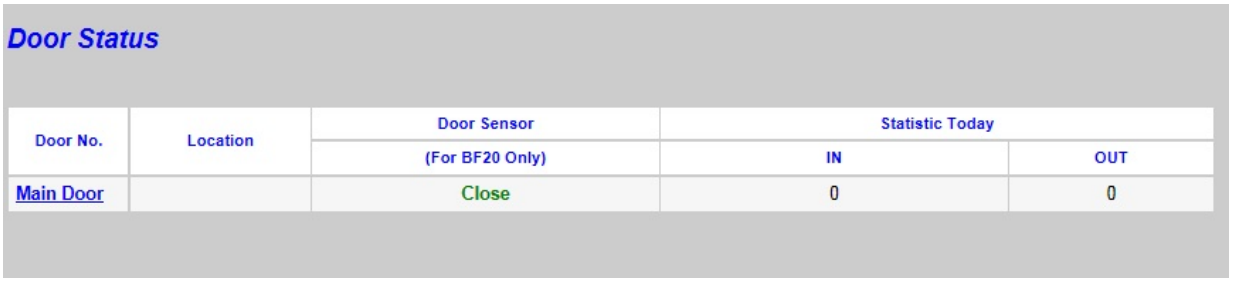
【Main Door Setting Screen】

● Function instruction－Main Door Setting Screen

Function	Description
Location	Fill in description of main door.
Card+Pin Time Zone	Choose time zone to verify by card + password.
Relay Trigger	Choose to use BFMINI built in relay trigger or connect BF-20/50 outside to control.
Lock Release Time Zone	Choose unlock time zone.
Exit Button Time Zone	Choose exit button time zone.
Double badge control time zone	Choose the time zone that needs 2 users to verification. **Applied On**：Choose **Both**、**IN or OUT**
Anti Pass Back Level	**IN**：Set this exit level. **OUT**：Set next exit level.
Lock Release Time	Set lock release time. The default time is 10 seconds.
Door Open Delay Time	Set door open delay time, need collocate with BF-20/50. The default time is 10 seconds.
Access Log	Choose to record the access log or not.
Door Sensor Mode	Choose Door Sensor Mode，there are N/A and Normal Open/Close can be selected，the default is **N/A**

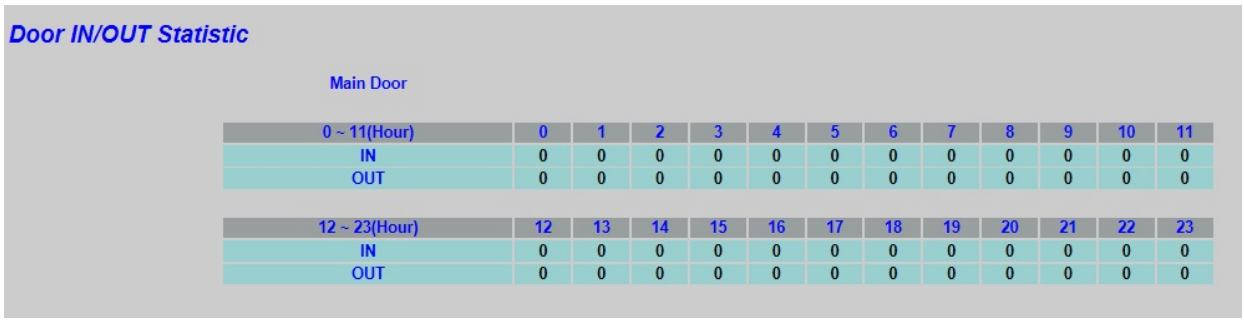
6、Door Status

Click the **Door Status** of main menu, the Door Setup will display as below picture shows:



【Door Status Screen】

Click the **【Main Door】**，the Door IN/OUT Statistic will display as below picture shows:



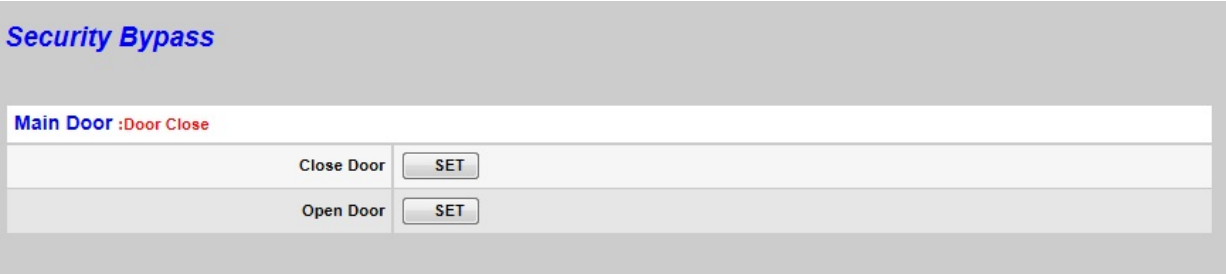
【Door IN/OUT Statistic Screen】

● Function instruction－Door IN/OUT Statistic

Function	Description
Door No.	The door controlled by BFMINI, choose it can link to door In / out statistics. (Separate from an hour.)
Location	Description of the door.
Door Sensor	Display the door status controlled by BF-20/50, there are 4 status: door open/ door close/ door is not closed/ door is been break in.
Statistic Today	Display the statistic today of the door.

7、Door Remote Control

Click the **Door Remote Control** of main menu, the Security Bypass will display as below picture shows:



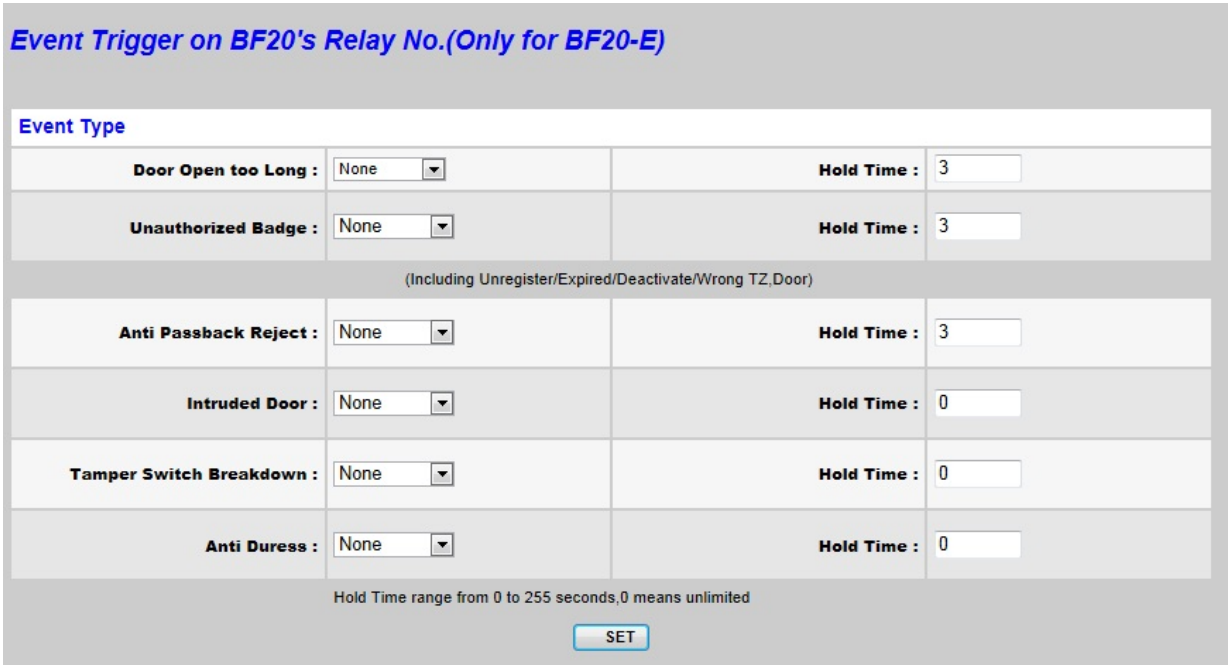
【Security Bypass Screen】

● Function instruction－Security Bypass

Function	Description
Security ON	Turn on main door control, only in/out after verify success.
Security OFF	Turn off main door control. The door open.

8、Event Handle

Click the **Event Handle** of main menu, the Event Trigger on BF20's Relay NO. will display below picture shows:


Event Trigger on BF20's Relay No.(Only for BF20-E)
Event Type
Door Open too Long : None Hold Time : 3
Unauthorized Badge : None Hold Time : 3
(Including Unregister/Expired/Deactivate/Wrong TZ,Door)
Anti Passback Reject : None Hold Time : 3
Intruded Door : None Hold Time : 0
Tamper Switch Breakdown : None Hold Time : 0
Anti Duress : None Hold Time : 0
Hold Time range from 0 to 255 seconds,0 means unlimited
SET

【Event Trigger on BF20's Relay NO.】

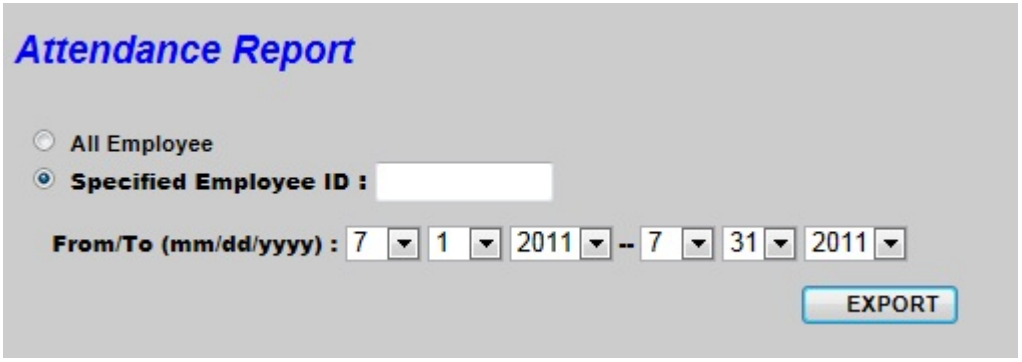
● Function instruction－Event Trigger on BF20's Relay NO.

Function	Description
Door open too long	Set the relay number and time if the door does not close in specific time.
Unauthorized Badge	Set the relay number and time if the verification failed.
Anti Pass back Reject	Set the relay number and time if anti pass back rejected.
Intruded door	Set the relay number and time if the door opened by force.
Tamper Switch Breakdown	Set the relay number and time if the tamper switch touched.
Anti Duress	Set the relay number and time if the user verify with duress.

➢ Tools

1、Attendance Report(XLS)

Click the **Attendance Report (XLS)** of main menu, the Attendance Report will display below picture shows:

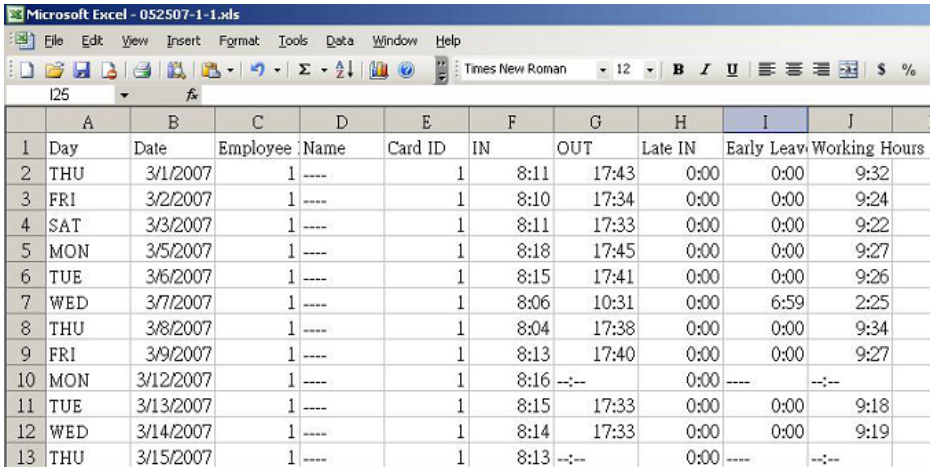


【Attendance Report Screen】

● Function instruction－Attendance Report

Function	Description
All Employee	Count the data in one day
Specified Employee ID	Fill in the Specified Employee ID and select the date，can count the attendance date in many days
Operate procedure	
1. Choose all employees or specified employee 2. If you choose specified employee, please enter employee ID in the column 3. Fill in the time period 4. Push **"export"** button 5. Choose the location you want to save.	

File export format is shown as below:


Microsoft Excel - 052507-1-1.xls

File Edit View Insert Format Tools Data Window Help

Times New Roman 12

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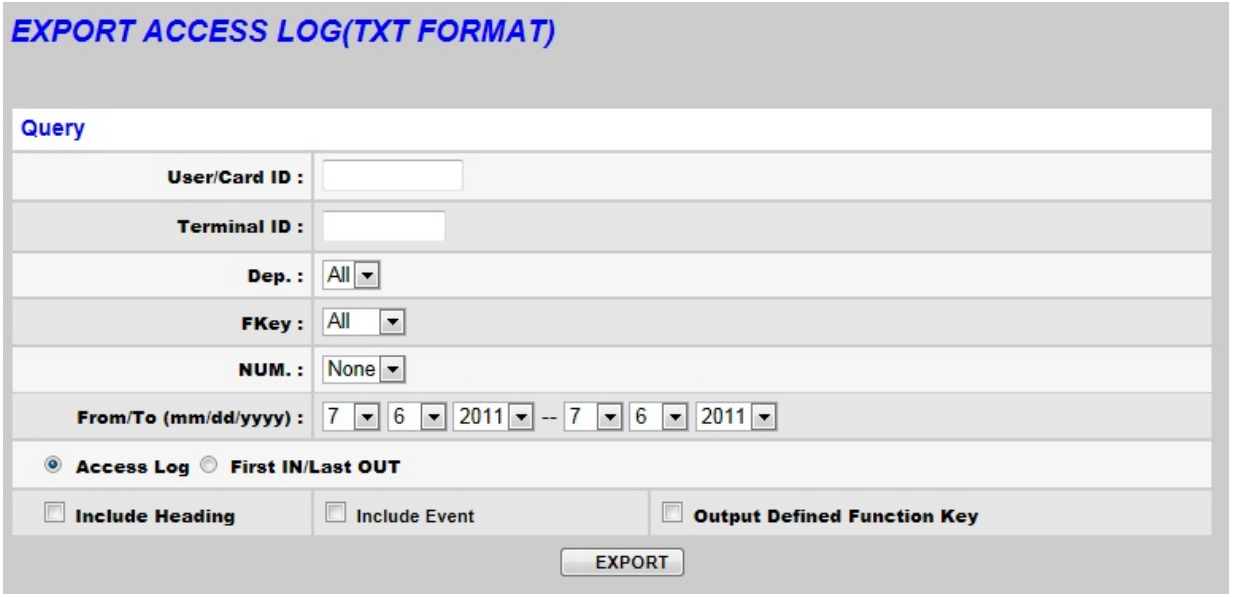
	A	B	C	D	E	F	G	H	I	J
1	Day	Date	Employee	Name	Card ID	IN	OUT	Late IN	Early Leav	Working Hours
2	THU	3/1/2007	1	----	1	8:11	17:43	0:00	0:00	9:32
3	FRI	3/2/2007	1	----	1	8:10	17:34	0:00	0:00	9:24
4	SAT	3/3/2007	1	----	1	8:11	17:33	0:00	0:00	9:22
5	MON	3/5/2007	1	----	1	8:18	17:45	0:00	0:00	9:27
6	TUE	3/6/2007	1	----	1	8:15	17:41	0:00	0:00	9:26
7	WED	3/7/2007	1	----	1	8:06	10:31	0:00	6:59	2:25
8	THU	3/8/2007	1	----	1	8:04	17:38	0:00	0:00	9:34
9	FRI	3/9/2007	1	----	1	8:13	17:40	0:00	0:00	9:27
10	MON	3/12/2007	1	----	1	8:16	--:--	0:00	----	--:--
11	TUE	3/13/2007	1	----	1	8:15	17:33	0:00	0:00	9:18
12	WED	3/14/2007	1	----	1	8:14	17:33	0:00	0:00	9:19
13	THU	3/15/2007	1	----	1	8:13	--:--	0:00	----	--:--

2、Exports (TXT)

Click the **Exports (TXT)** of main menu, the Export Access Log (TXT format) will display below picture shows:



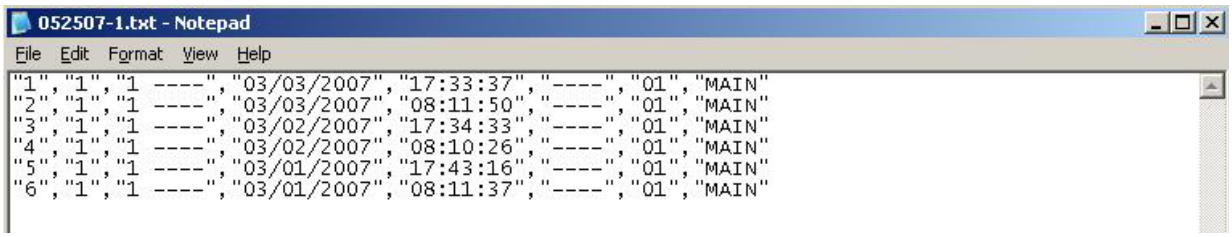
【Export Access Log (TXT format) Screen】

● Function instruction－Export Access Log (TXT format)

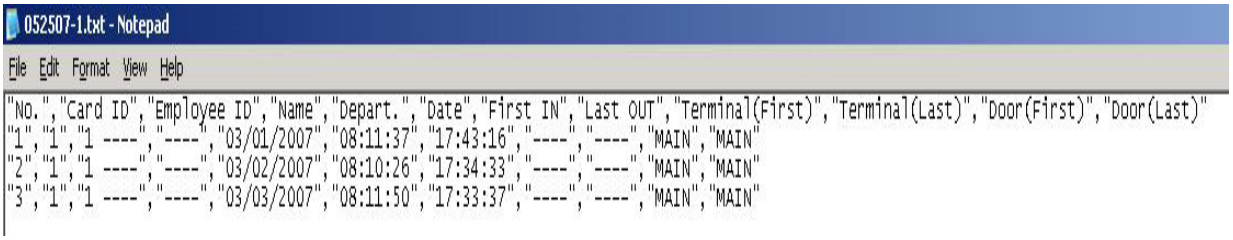
Function	Description
User/Card ID	Query by User/Card ID.
Terminal ID	Query by terminal ID.
Department	Query by department.
FKey	Query by function key.
NUM.	Choose the function key number.
From/To	Query by the from / to date.
Access Log	Export all log
First IN/Last OUT	Export first in/last out log.
Include Heading	Export heading or not.
Include Event	Export event or not.
Output Defined Function Key	Output defined function key or not.
Operate procedure	
1.Insert and select the input filter converting in the blank columns and drop-down menu 2.Select converting method 3.Press **"Output"** 4.Select the file saving folder The record file can only convert the record which comforts to both insert criteria and selection criteria.	

Export file format is shown as below:

1. Access log without title

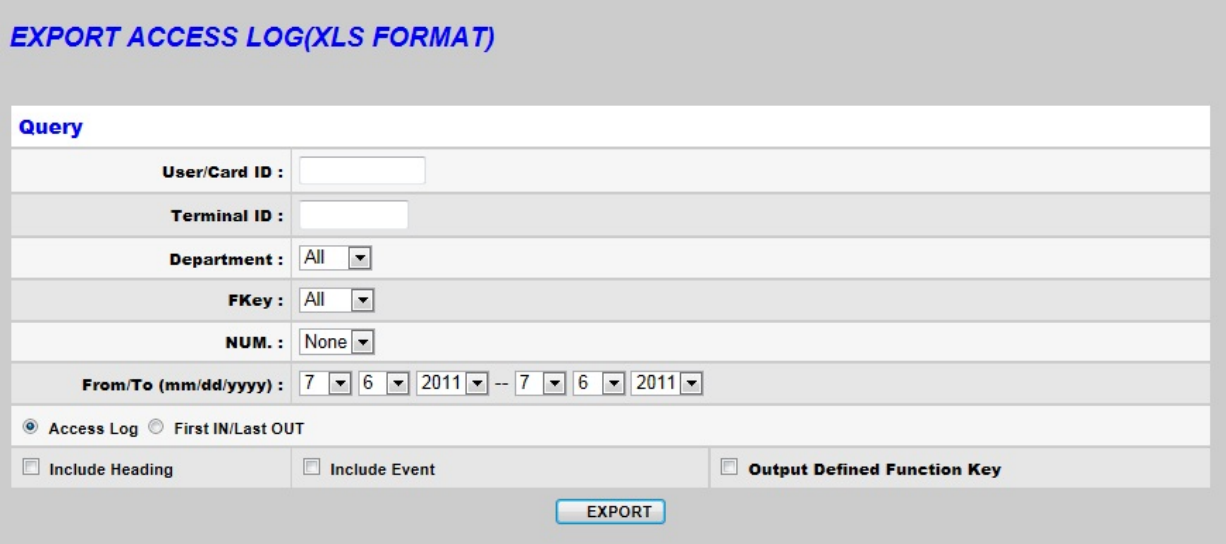


2. First IN/Last Out log with title



3、Exports (XLS)

Click the **Exports (XLS)** of main menu, the Export Access Log (XLS format) will display below picture shows:



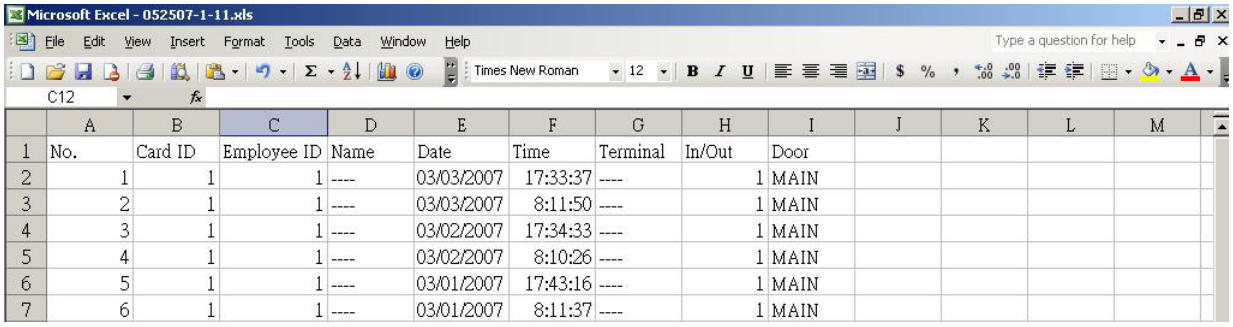
【Export Access Log (XLS format) Screen】

● Function instruction－Export Access Log (XLS format)

Function	Description
User/Card ID	Query by User/Card ID.
Terminal ID	Query by terminal ID.
Department	Query by department.
FKey	Query by function key.
NUM.	Choose the function key number.
From/To	Query by the from / to date.
Access Log	Export all log
First IN/Last OUT	Export first in/last out log.
Include Heading	Export heading or not.
Include Event	Export event or not.
Output Defined Function Key	Output defined function key or not.
Operate procedure	
1.Insert and select the input filter converting in the blank columns and drop-down menu 2.Select converting method 3.Press **"Output"** 4.Select the file saving folder The record file can only convert the record which comforts to both insert criteria and selection criteria.	

Export file format is shown as below:

1. Access log with title



Microsoft Excel - 052507-1-11.xls

File Edit View Insert Format Tools Data Window Help

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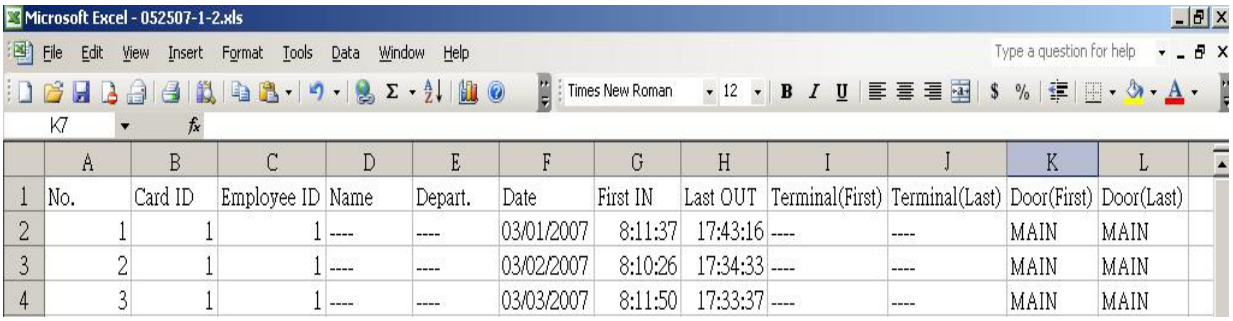
	A	B	C	D	E	F	G	H	I	J	K	L	M
1	No.	Card ID	Employee ID	Name	Date	Time	Terminal	In/Out	Door				
2	1	1	1	----	03/03/2007	17:33:37	----	1	MAIN				
3	2	1	1	----	03/03/2007	8:11:50	----	1	MAIN				
4	3	1	1	----	03/02/2007	17:34:33	----	1	MAIN				
5	4	1	1	----	03/02/2007	8:10:26	----	1	MAIN				
6	5	1	1	----	03/01/2007	17:43:16	----	1	MAIN				
7	6	1	1	----	03/01/2007	8:11:37	----	1	MAIN				

2. First IN/Last Out log with title



Microsoft Excel - 052507-1-2.xls

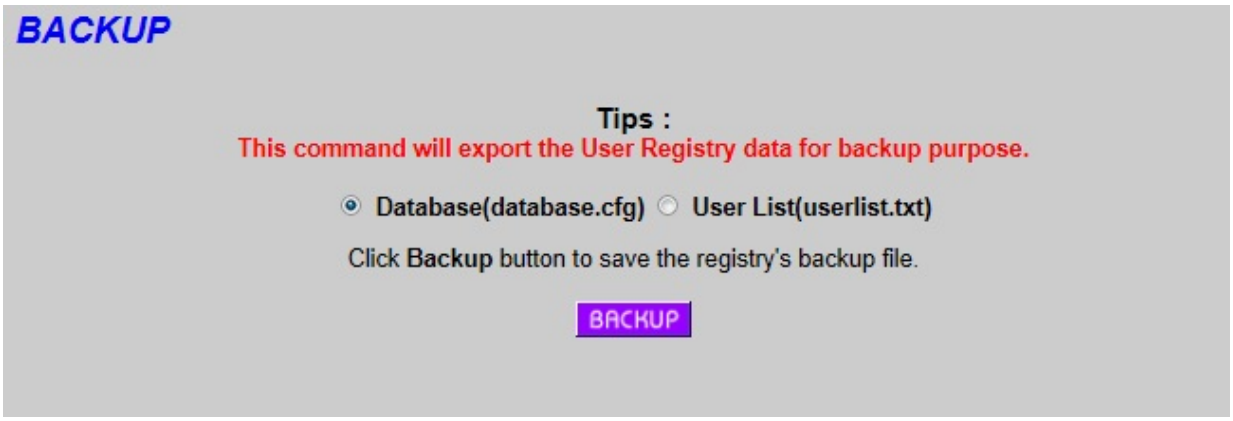
File Edit View Insert Format Tools Data Window Help

K7

	A	B	C	D	E	F	G	H	I	J	K	L
1	No.	Card ID	Employee ID	Name	Depart.	Date	First IN	Last OUT	Terminal(First)	Terminal(Last)	Door(First)	Door(Last)
2	1	1	1	----	----	03/01/2007	8:11:37	17:43:16	----	----	MAIN	MAIN
3	2	1	1	----	----	03/02/2007	8:10:26	17:34:33	----	----	MAIN	MAIN
4	3	1	1	----	----	03/03/2007	8:11:50	17:33:37	----	----	MAIN	MAIN

4、Backup

Click the **Backup** of main menu, the Backup will display below picture shows:



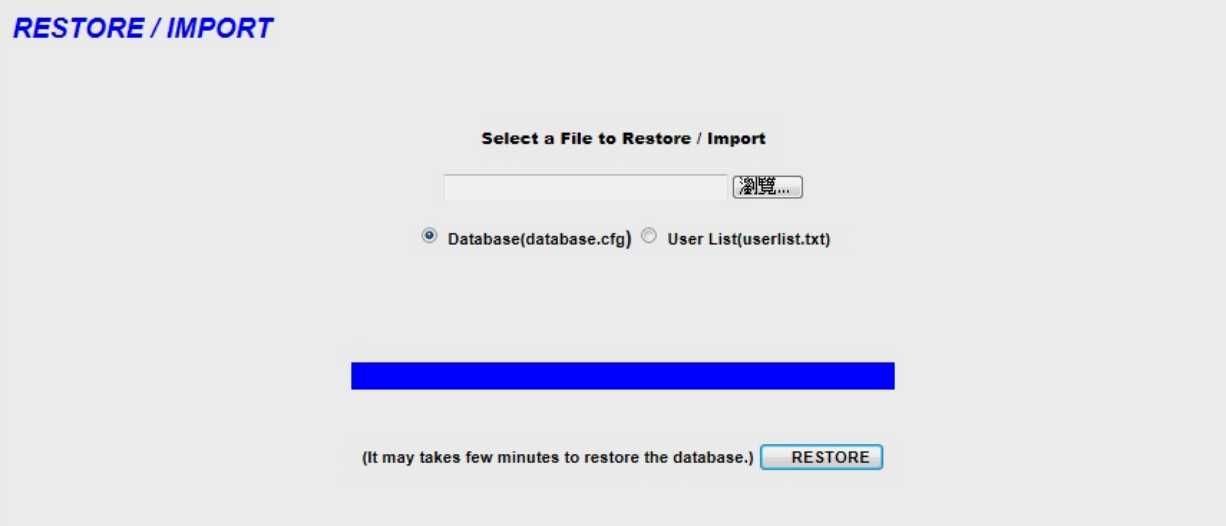
【Backup Screen】

● Function instruction－Backup Screen

Function	Description
Database(database.cfg)	Backup database of all users and the file format is cfg.
User List(userlist.txt)	Backup card ID, employee ID, name, group number and the file format is txt
Operate procedure	
1. Choose the backup format 2. Push **"backup"** 3. Choose the location you want to save.	

5、Restore/Import

Click the **Restore/Import** of main menu, the Restore/Import will display below picture shows:



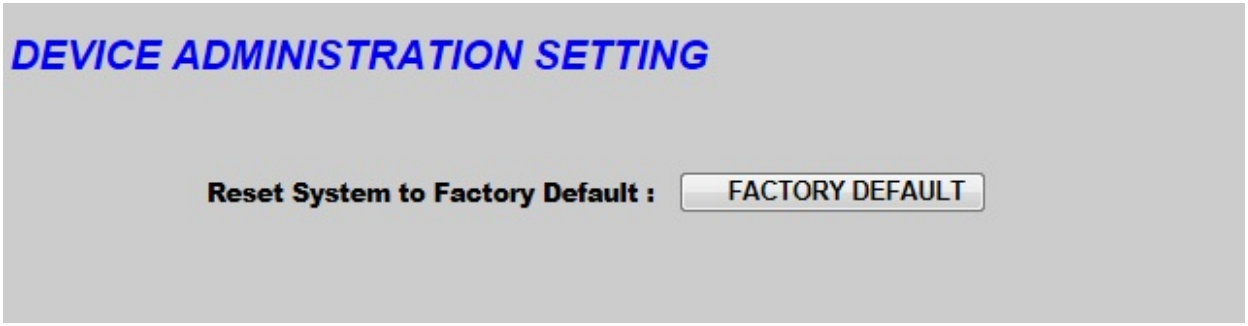
【Restore/Import Screen】

● Function instruction－Restore/Import

Function	Description
Database(database.cfg)	Backup database of all users and the file format is cfg.
User List(userlist.txt)	Backup card ID, employee ID, name, group number and the file format is txt
Operate procedure	
1. Choose the restore format 2. Push **"Browse…"** to choose the file. 3. Push "Restore" to restore/import the data.	

6、Device Admin

Click the **Device Admin** of main menu, the Device Administration Setting will display below picture shows:



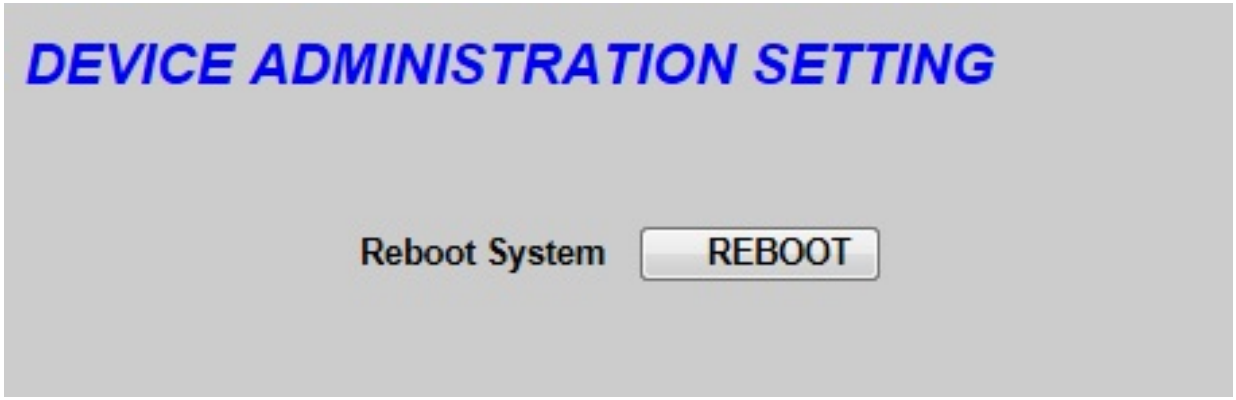
【Device Administration Setting Screen】

● Function instruction－Device Administration Setting Screen

Function	Description
Factory Default	Reset system to factory default.

7、Reboot

Click the **Reboot** of main menu, the Device Administration Setting will display below picture shows:



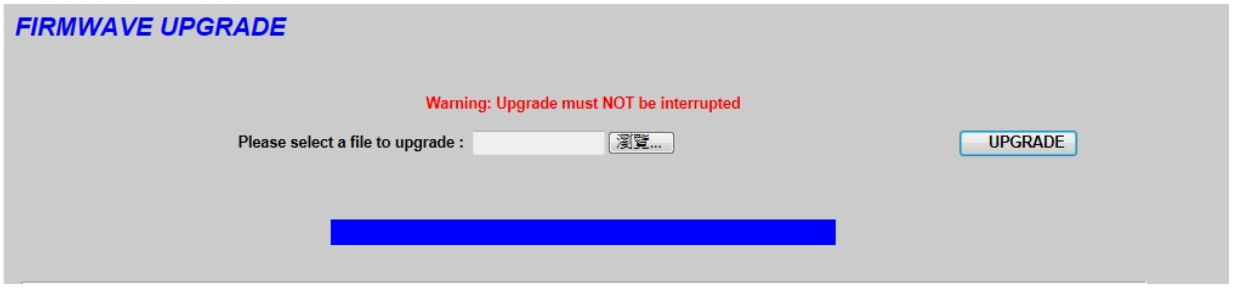
【Device Administration Setting Screen】

● Function instruction－Device Administration Setting Screen

Function	Description
Reboot System	Reboot BFMINI, just like PC warm up to turn on.

8、Upgrade Firmware

Click the **Upgrade Firmware** of main menu, the Firmware Upgrade will display below picture shows:



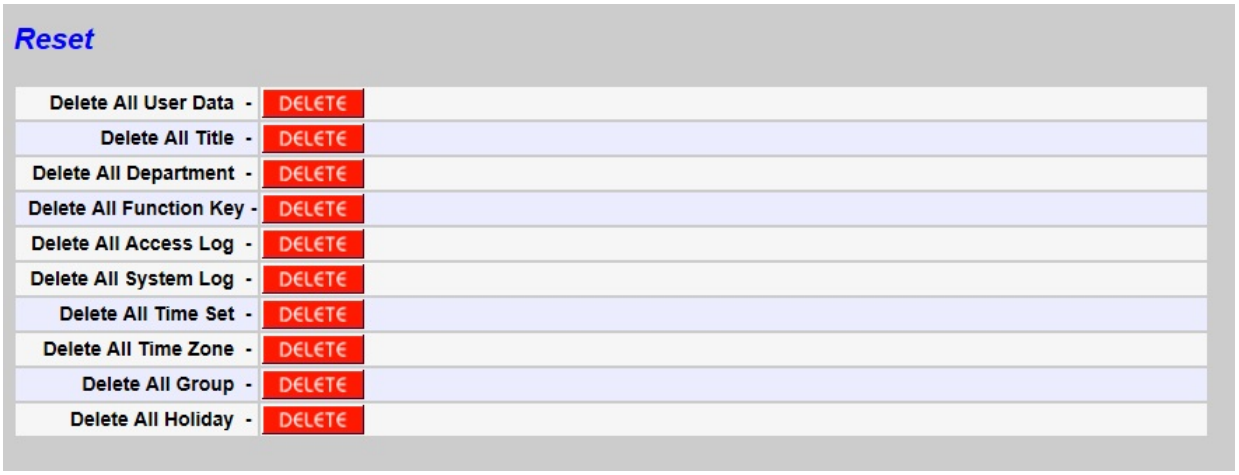
【Firmware Upgrade】

● Function instruction－Firmware Upgrade

Operate procedure
1. Push **“Browse…”** button to search and choose the firmware 2. Push **“upgrade”** button to upgrade the firmware
Attention
1. Different firmware version maybe has the compatible problem, please delete all items. 2. If you want to save the data, please contact with us to confirm the data format or how to save the data before upgrade to avoid the data losing. 3. Please upgrade system code then upgrade web code

9、Reset

Click the **Reset** of main menu, the Reset will display below picture shows:


Reset
Delete All User Data - DELETE
Delete All Title - DELETE
Delete All Department - DELETE
Delete All Function Key - DELETE
Delete All Access Log - DELETE
Delete All System Log - DELETE
Delete All Time Set - DELETE
Delete All Time Zone - DELETE
Delete All Group - DELETE
Delete All Holiday - DELETE

【Reset】

● Function instruction－Reset

Function	Description
Delete all user data	Delete all user data of BFMINI
Delete all title	Delete all title setting of BFMINI
Delete all department	Delete all department setting of BFMINI
Delete all function key	Delete all function key setting of BFMINI
Delete all access log	Delete all access log of BFMINI
Delete all system log	Delete all system log of BFMINI
Delete all time set	Delete all time set of BFMINI
Delete all time zone	Delete all time zone of BFMINI
Delete all group	Delete all group of BFMINI
Delete all holiday	Delete all holiday of BFMINI

Trouble shooting of some questions

Question 01：Can’t connect with BFMINI

Check Step：

1. To Execute IP Search and if reach BFMINI, please jump to step 4 and if not, please continue.
2. Check if the installation is correct and power on.
3. Check Lan and cable connection is working.
4. Check the PC setting and BFMINI is at the same IP address. If the BFMINI is at IP 192.168.0.66, the IP address of PC will be in between192.168.0.1 to 192.168.0.65 or 192.168.0.67 to 192.168.0.254. Beside, the subnet mask need to be 255.255.255.0. In Windows, you can check console-internet-content to check the TCP/IP protocol.
5. Check if there is any IP address setting conflicts with BFMINI.

Question 02：WEB connection is not stable

Check Step：

1. Check if there is any IP address setting conflicts with BFMINI.
2. Log in WEB management screen
3. Click the left side options from top to the bottom, and record which selections cause the disconnection of web page.
4. Execute “delete setting” to delete these related settings.

Question 03：System is not stable and the buzzer keeps beeping after power on.

Check Step：

1. Check if the power supply provides enough voltage (12V) and electric current (1A)
2. Check the power terminal has been fastened.
3. Check if share the power with other equipments.
4. Of sharing power with other equipments, please remote the equipment and provide power to BFMINI only to test.

Question 04：Push button no reaction

Check Step：

1. Check if the push button is working.
2. Check the wire connection is correct.
3. Check the door setting and if the time zone setting is on (any time)

Question 05：No LCD Display

Check Step：

1. Check if the transformer can provide enough voltage (12V) and electric current (1A)
2. Check the LCD wire connection.
3. After turn off the power, pull out the LCD wire and re-plug.
4. Power on to test again.

Question 06：Forget IP address

Check Step：

1.Solve from PC side:：Please execute IP search tool attached to BFMINI and set the correct IP address

2. Solve from terminal side: Enter user menu➔ system setup➔IP address

Question 07：Web screen can not save the value

Check Step：

1. Contact with us.
2. Inform the firmware version
3.Get the correct firmware(WEB code 及 System code)
4. Upgrade the firmware and test again.